FEB 27 2014

PUBLIC SERVICE COMMISSION

Mark David Goss

mdgoss@gossamfordlaw.com (859) 368-7740

February 27, 2014

VIA HAND DELIVERY

Mr. Jeff Derouen
Executive Director
Kentucky Public Service Commission
P.O. Box 615
211 Sower Boulevard
Frankfort, KY 40602

Re: PSC Case No. 2013-00445

Dear Mr. Derouen:

Please find enclosed for filing with the Commission in the above-referenced case an original and ten redacted copies of the responses of East Kentucky Power Cooperative, Inc. ("EKPC"), to the information requests contained in the Appendix to the Commission's Order dated February 7, 2014, and EKPC's Motion for Confidential Treatment of Information. One copy of the designated confidential portions of the responses is enclosed in a sealed envelope.

Very truly yours,

Mark David Goss

Mark David Goss

Enclosures

RECEIVED

## BEFORE THE PUBLIC SERVICE COMMISSION

FEB 27 2014

IN THE MATTER OF:		PUBLIC SERVICE COMMISSION
AN EXAMINATION OF THE APPLICATION		
OF THE FUEL ADJUSTMENT CLAUSE OF	)	
EAST KENTUCKY POWER COOPERATIVE,	)	CASE NO. 2013-00445
INC. FROM MAY 1, 2013 THROUGH	)	
OCTOBER 31, 2013		

# MOTION FOR CONFIDENTIAL TREATMENT

Comes now East Kentucky Power Cooperative, Inc. ("EKPC"), by and through counsel, pursuant to KRS 61.878, 807 KAR 5:001, Section 13 and other applicable law, and for its Motion requesting that the Kentucky Public Service Commission ("Commission") afford confidential treatment to three documents filed in response to certain requests for information in the above-captioned proceeding, respectfully states as follows:

- 1. The Commission issued its Order establishing this case on February 7, 2014 and included the initial set of requests for information to EKPC as an Appendix to that Order. Request No. 15 states as follows:
  - 15. a. During the period from May 1, 2013 through October 31, 2013, have there been any changes to East Kentucky's written policies and procedures regarding its fuel procurement?
    - b. If yes:
      - (1) Describe the changes;
      - (2) Provide the written policies and procedures as changed;
      - (3) State the date(s) the changes were made; and
      - (4) Explain why the changes were made.
    - c. If no, provide the date East Kentucky's current fuel procurement policies and procedures were last changed,

when they were last provided to the Commission, and identify the proceeding in which they were provided.

- 2. In its response to Request No. 15, EKPC is providing a copy of its Administrative Policy No. AO31 Internal Delegation of Authority ("Policy AO31"). Policy AO31 was updated on September 27, 2013.
  - 3. Request No. 19 from the February 7 request for information states as follows:
    - 19. List each written coal supply solicitation issued during the period from May 1, 2013 through October 31, 2013.
      - a. For each solicitation, provide the date of the solicitation, the type of solicitation (contract or spot), the quantities solicited, a general description of the quality of coal solicited, the time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
      - b. For each solicitation, state the number of vendors to whom the solicitation was sent, the number of vendors who responded, and the selected vendor. Provide the bid tabulation sheet or corresponding document that ranked the proposals. (This document should identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.
- 4. In its response to Request No. 19, EKPC is providing a copy of its bid tabulation sheets, which includes information that is responsive to the request for information.
  - 5. Request No. 20 from the February 7 request for information states as follows:
    - 20. List each oral coal supply solicitation issued during the period from May 1, 2013 through October 31, 2013.
      - a. For each solicitation, state why the solicitation was not written, the date(s) of the solicitation, the quantities solicited, a general description of the quality of coal solicited, the time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
      - b. For each solicitation, identify all vendors solicited and the vendor selected. Provide the tabulation sheet or other document that ranks the proposals. (This document should identity all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

- 6. In its response to Request No. 20, EKPC is providing a copy of its bid tabulation sheets, which includes information that is responsive to the request for information.
- 7. The information and documents tendered by EKPC in response to Request No. 15, Request No. 19 and Request No. 20 are being tendered in redacted form in the public version of EKPC's filing and in an unredacted form filed under seal herewith. Collectively, this information and these documents are hereinafter referred to as the "Confidential Information."
- 8. The Confidential Information contains extensive information that describes the internal delegation of authority, business planning assumptions and procurement strategy of EKPC with regard to fuel, limestone and other energy commodities as well as the information received by EKPC in the course of conducting written and verbal solicitations for fuel. This information is commercially sensitive and proprietary. More specifically, the Confidential Information includes:
  - a. Delegations of authority to bind EKPC with regard to various transactions;
  - b. The means and methods of transactional processes;
  - c. Procurement strategies;
  - d. Governance records and policies;
  - e. Coal specifications received from third-party bidders;
  - f. Pricing data for coal bids received from third-party bidders; and
  - g. Recommendations from EKPC Staff regarding the selection of particular vendors to supply fuel to EKPC's generating fleet.
- 9. The Confidential Information is retained by EKPC on a "need-to-know" basis and is not publicly available. If disclosed, the Confidential Information would give potential vendors and competitors a tremendous competitive advantage in the course of ongoing and future

negotiations to procure fuel, limestone and other commodities. These market advantages would likely translate into higher costs for EKPC and, by extension, detrimentally higher rates for EKPC's Members. Thus, disclosure of the Confidential Information would be highly prejudicial to EKPC, EKPC's Members and those Members' retail customers.

- 10. The Kentucky Open Records Act exempts the Confidential Information from public disclosure. See KRS 61.878(1)(c). As set forth above, disclosure of the Confidential Information would permit an unfair advantage to third parties. Moreover, the Kentucky Supreme Court has stated, "information concerning the inner workings of a corporation is 'generally accepted as confidential or proprietary." Hoy v. Kentucky Industrial Revitalization Authority, 907 S.W.2d 766, 768 (Ky. 1995). Because the Confidential Information is critical to EKPC's effective execution of business decisions and strategy, it satisfies both the statutory and common law standards for being afforded confidential treatment. Indeed, the Commission has already recognized the confidential nature of the information included in the responses and has afforded confidential treatment to identical information in a prior proceeding. 1
- 11. EKPC does not object to limited disclosure of the Confidential Information, pursuant to an acceptable confidentiality and nondisclosure agreement, to the Attorney General or any other intervenors with a legitimate interest in reviewing the same for the sole purpose of participating in this case.
- 12. In accordance with the provisions of 807 KAR 5:001, Section 13(2), EKPC is filing one copy of the Confidential Information separately under seal. The filing of the Confidential Information is noted in the public version of EKPC's response to Request No. 15, Request No. 19 and Request No. 20, which include redacted copies of such information. Due to

<sup>&</sup>lt;sup>1</sup> See Letter from Jeff Derouen to Mark David Goss, P.S.C. Case No. 2011-00246 (Sept. 11, 2011). A copy of this is attached hereto as Exhibit 1.

the pervasive nature of the confidential and proprietary information included in Policy AO31 and the bid tabulation sheets, confidential treatment is sought for the entirety of the Confidential Information.

13. In accordance with the provisions of 807 KAR 5:001, Section 13(3), EKPC respectfully requests that the Confidential Information be withheld from public disclosure for a period of ten years. This will assure that the Confidential Information – if disclosed after that time – will be less likely to include information that continues to be commercially sensitive so as to impair the interests of EKPC if publicly disclosed. However, EKPC reserves the right to seek an extension of the grant of confidential treatment if it is necessary to do so at that time.

WHEREFORE, on the basis of the foregoing, EKPC respectfully requests the Commission to enter an Order granting this Motion for Confidential Treatment and to so afford such protection from public disclosure to the unredacted copies of Confidential Information, which is filed herewith under seal, for a period of ten years from the date of entry of such an Order.

This 27<sup>th</sup> day of February 2014.

Respectfully submitted,

Mark David Goss

David S. Samford

GOSS SAMFORD, PLLC

2365 Harrodsburg Road, Suite B325

Lexington, KY 40504

(859) 368-7740

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david@gosssamfordlaw.com

Counsel for East Kentucky Power Cooperative, Inc.

Steven L. Beshear Governor

Leonard K. Peters Secretary Energy and Environment Cabinet



Commonwealth of Kentucky
Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40802-0615
Telephone: (502) 564-3940
Fax: (502) 564-3460
psc.ky.gov

David L. Armstrong Chairman

James W. Gardner Vice Chairman

Charles R. Borders
Commissioner

September 28, 2011

Frost Brown Todd LLC
Attention: Mark David Goss
250 West Main Street, Suite 2800
Lexington, Kentucky 40507-1749

Re: East Kentucky Power Cooperative, Inc.

Petition for Confidential Protection received 9/13/11

PSC Reference #: 2011-00246

Dear Mr. Goss:

The Public Service Commission has received the Petition for Confidential Protection you filed on September 13, 2011 on behalf of East Kentucky Power Cooperative, Inc. ("EKPC"), to protect certain information filed with the Commission as confidential pursuant to Section 7 of 807 KAR 5:001 and KRS 61.878. The information you seek to have treated as confidential is identified as being contained in EKPC's Responses to Data Request Nos. 15 and 19 per Commission Order dated August 23, 2011. The information is more particularly described as containing identification of coal vendors and ranking of proposals; tabulation sheets containing current coal pricing, volume of usage, proposal evaluation procedures and coal acquisition strategies.

Your justification for having the Commission handle this material as confidential is that the public disclosure of the information would compromise EKPC's competitive position in the industry, which would result in an unfair commercial advantage to its competitors.

Based on a review of the information and pursuant to KRS 61.878 and 807 KAR 5:001, Section 7, the Commission has determined that the information requested to be held confidential is of a proprietary nature, which if publicly disclosed would permit an unfair commercial advantage to EKPC's competitors. Therefore, the information requested to be treated as confidential meets the criteria for confidential protection and will be maintained as a nonpublic part of the Commission's file in this case. The procedure for usage of confidential materials during formal proceedings may be found at Section 7(8) of 807 KAR 5:001.

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Mr. Goss September 28, 2011 Page 2

If the Information becomes publicly available or no longer warrants confidential treatment, East Kentucky Power Cooperative, Inc. is required by Section 8(9)(a) of 807 KAR 5:001 to inform the Commission so that the information may be placed in the public record.

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Executive Director

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cc: Parties of Record



# COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

In	tha	M	atter	of.
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AN EXAMINATION OF THE APPLICATION OF		
THE FUEL ADJUSTMENT CLAUSE OF EAST	)	CASE NO.
KENTUCKY POWER COOPERATIVE, INC.	)	2013-00445
INC. FROM MAY 1, 2013 THROUGH OCTOBER	)	
31, 2013		

RESPONSES TO COMMISSION STAFF'S INFORMATION REQUEST TO EAST KENTUCKY POWER COOPERATIVE, INC.

DATED FEBRUARY 7, 2014

### **PSC CASE NO. 2013-00445**

# PUBLIC SERVICE COMMISSION REQUEST DATED 02/07/14

East Kentucky Power Cooperative, Inc. ("EKPC") hereby submits responses to the information requests contained in the Appendix to the Order of the Public Service Commission ("PSC") in this case dated February 7, 2014. Each response with its associated supportive reference materials is individually tabbed.

#### BEFORE THE PUBLIC SERVICE COMMISSION

IN	THE	MΔ	TTER	OF:

AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT CLAUSE OF EAST	)	CASE NO.
KENTUCKY POWER COOPERATIVE, INC. INC. FROM MAY 1, 2013 THROUGH OCTOBER	) )	2013-00445
31, 2013	)	

### **CERTIFICATE**

STATE OF KENTUCKY	)
	)
COUNTY OF CLARK	)

Mark Horn, being duly sworn, states that he has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff Data Requests contained in the Appendix in the above-referenced case dated February 7, 2014, and that the matters and things set forth therein are true and accurate to the best of his knowledge, information and belief, formed after reasonable inquiry.

Subscribed and sworn before me on this 27<sup>th</sup> day of February 2014.

GWYN M. WILLOUGHBY

State at Large F (5) (Kentucky 1) 14 (My Commission France New 2017)

# BEFORE THE PUBLIC SERVICE COMMISSION

IN	THE	MA	TTER	OF.
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AN EXAMINATION OF THE APPLICATION OF	)	
THE FUEL ADJUSTMENT CLAUSE OF EAST	)	CASE NO.
KENTUCKY POWER COOPERATIVE, INC.	)	2013-00445
INC. FROM MAY 1, 2013 THROUGH OCTOBER	)	
31, 2013	)	

### **CERTIFICATE**

STATE OF KENTUCKY	)
	)
COUNTY OF CLARK	)

Craig A. Johnson, being duly sworn, states that he has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff Data Requests contained in the Appendix in the above-referenced case dated February 7, 2014, and that the matters and things set forth therein are true and accurate to the best of his knowledge, information and belief, formed after reasonable inquiry.

Subscribed and sworn before me on this 21th day of February 2014.

Jotary Public

Craig & Johns

GWYN M. WILLOUGHBY Notary Public's State at Large State

Kentucky 4

#### BEFORE THE PUBLIC SERVICE COMMISSION

IN	THE	MA	TTER	OF:
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AN EXAMINATION OF THE APPLICATION OF		
THE FUEL ADJUSTMENT CLAUSE OF EAST	)	CASE NO.
KENTUCKY POWER COOPERATIVE, INC.	)	2013-00445
INC. FROM MAY 1, 2013 THROUGH OCTOBER	)	
31, 2013		

#### **CERTIFICATE**

STATE OF KENTUCKY	)
	)
COUNTY OF CLARK	)

Julia J. Tucker, being duly sworn, states that she has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff Data Requests contained in the Appendix in the above-referenced case dated February 7, 2014, and that the matters and things set forth therein are true and accurate to the best of her knowledge, information and belief, formed after reasonable inquiry.

Subscribed and sworn before me on this 127 day of February 2014.

Notary Public

GWYN M. WILLOUGHBY
Notary Public State at Large
Kentucky

My Commission Expires Nov 30, 2017

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#### BEFORE THE PUBLIC SERVICE COMMISSION

TAT	THE	TA/FA	TTER	OF.
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AN EXAMINATION OF THE APPLICATION OF		
THE FUEL ADJUSTMENT CLAUSE OF EAST	)	CASE NO.
KENTUCKY POWER COOPERATIVE, INC.	)	2013-00445
INC. FROM MAY 1, 2013 THROUGH OCTOBER	)	
31, 2013		

#### **CERTIFICATE**

STATE OF KENTUCKY	)
	)
COUNTY OF CLARK	)

Patrick C. Woods, being duly sworn, states that he has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff Data Requests contained in the Appendix in the above-referenced case dated February 7, 2014, and that the matters and things set forth therein are true and accurate to the best of his knowledge, information and belief, formed after reasonable inquiry.

Subscribed and sworn before me on this 27<sup>-1</sup> day of February 2014.

Notary Public

Notary Public State at Large

My Commission Expires Nov 3

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14
REQUEST 1

**RESPONSIBLE PARTY:** 

Mark Horn

Request 1. For the period from May 1, 2013 through October 31, 2013, list each vendor from whom coal was purchased and the quantities and nature of each purchase (e.g., spot or contract). For the period under review in total, provide the percentage of purchases that were spot versus contract. For contract purchases, state whether the contract has been filed with the Commission. If no, explain why it has not been filed.

Response 1. Please see pages 2 through 7 of this response. All contract purchases have been filed with the Commission.

Supplier	Spot/Contract	Order Number	Quantity (Tons)
	<u>Dale</u>		
May 2013			
PERRY COUNTY COAL CORPORATION	L T Contract	000000126	21,052.35
S M & J INC	Spot Market	0000151451	9,982.58
		May 2013	31,034.93
July 2013		May 2015	31,034.93
S M & J INC	Coat Market	0000151458	11.050.90
S M & J MC	Spot Market		11,050.80
		July 2013	11,050.80
August 2013			
S M & J INC	Spot Market	0000151458	9,559.47
		August 2013	9,559.47
	Cooper		
May 2013			
B & W RESOURCES INC	L T Contract	0000000236	17,783.20
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	12,241.61
		May 2013	30,024.81
June 2013		•	•
B & W RESOURCES INC	L T Contract	0000000236	1,820.29
PERRY COUNTY COAL CORPORATION	L T Contract	0000000238	22,849.38
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	9,832.46
PERRY COUNTY COAL CORPORATION	Spot Market	0000251453	19,899.31
STRAIGHT CREEK COAL MINING LLC	Spot Market	0000251454	10,119.23
		June 2013	64,520.67
July 2013			•
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	17,310.20
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	5,249.27
PERRY COUNTY COAL CORPORATION	Spot Market	0000251453	14,972.52
STRAIGHT CREEK COAL MINING LLC	Spot Market	0000251454	10,290.77
		July 2013	47,822.76

<u>Supplier</u>	Spot/Contract	Order Number	Quantity (Tons)
August 2013			
JAMIESON CONSTRUCTION CO	L T Contract	0000000240	5,169.34
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	20,097.19
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	5,033.49
STRAIGHT CREEK COAL MINING LLC	Spot Market	0000251454	10,077.22
		August 2013	40,377.24
September 2013			
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	20,128.79
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	5,348.20
STRAIGHT CREEK COAL MINING LLC	Spot Market	0000251454	7,745.01
		September 2013	33,222.00
October 2013			
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	18,214.28
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	5,077.87
STRAIGHT CREEK COAL MINING LLC	Spot Market	0000251454	2,563.96
		October 2013	25,856.11
	Spurlock Scrubbe	<u>r</u>	
May 2013			
OXFORD MINING COMPANY	L T Contract	000000504	32,359.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	10,038.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	8,258.00
WHITE COUNTY COAL LLC	L T Contract	0000000508	11,333.00
PEABODY COALSALES LLC	L T Contract	0000000514	21,190.00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	12,947.00
ARMSTRONG COAL COMPANY INC	L T Contract	0000000520	25,788.00
PATRIOT COAL SALES LLC	L T Contract	0000000522	39,937.00
OXFORD MINING COMPANY	Spot Market	0000551433	3,156.00
		May 2013	165,006.00

Supplier	Spot/Contract	Order Number	Quantity (Tons)
June 2013			
OXFORD MINING COMPANY	L T Contract	000000504	35,483.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	19,454.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	8,050.00
WHITE COUNTY COAL LLC	L T Contract	000000508	14,290.00
PEABODY COALSALES LLC	L T Contract	0000000514	30,132.00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	41,776.00
ARMSTRONG COAL COMPANY INC	L T Contract	0000000520	27,292.00
PATRIOT COAL SALES LLC	L T Contract	0000000522	39,592.00
		June 2013	216,069.00
July 2013			
OXFORD MINING COMPANY	L T Contract	000000504	25,603.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	6,321.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	12,873.00
WHITE COUNTY COAL LLC	L T Contract	000000508	19,243.00
PEABODY COALSALES LLC	L T Contract	0000000514	30,780.00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	25,658.00
ARMSTRONG COAL COMPANY INC	L T Contract	0000000520	22,434.00
PATRIOT COAL SALES LLC	Spot Market	0000551455	24,391.00
OXFORD MINING COMPANY	Spot Market	0000551456	6,412.00
		July 2013	173,715.00
August 2013			
OXFORD MINING COMPANY	L T Contract	000000504	33,588.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	8,252.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	14,834.00
WHITE COUNTY COAL LLC	L T Contract	0000000508	20,546.00
PEABODY COALSALES LLC	L T Contract	000000514	31,394.00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	25,843.00
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	22,226.00
PATRIOT COAL SALES LLC	Spot Market	0000551455	53,706.00
OXFORD MINING COMPANY	Spot Market	0000551456	1,592.00
		August 2013	211,981.00

Supplier	Spot/Contract	Order Number	Quantity (Tons)
September 2013			
OXFORD MINING COMPANY	L T Contract	000000504	32,273.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	4,938.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	11,334.00
WHITE COUNTY COAL LLC	L T Contract	000000508	23,635.00
PEABODY COALSALES LLC	L T Contract	000000514	30,528.00
AMERICAN ENERGY CORPORATION	L T Contract	000000516	41,762.00
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	18,986.00
PATRIOT COAL SALES LLC	Spot Market	0000551455	39,269.00
		September 2013	202,725.00
October 2013			
OXFORD MINING COMPANY	L T Contract	000000504	37,460.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	13,324.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	13,251.00
WHITE COUNTY COAL LLC	L T Contract	000000508	20,439.00
PEABODY COALSALES LLC	L T Contract	0000000514	30,497.00
AMERICAN ENERGY CORPORATION	LT Contract	0000000516	38,808.00
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	38,538.00
PATRIOT COAL SALES LLC	Spot Market	0000551455	13,080.00
		October 2013	205,397.00
	Spurlock CFB		
May 2013			
OXFORD MINING COMPANY	LT Contract	0000000800	33,858.00
B & N COAL INC	L T Contract	0000000812	9,719.00
ALPHA COAL SALES LLC	L T Contract	0000000818	3,326.00
ALPHA COAL SALES LLC	L T Contract	0000000818	3,420.00
PEABODY COALSALES LLC	L T Contract	0000000822	30,896.00
B & N COAL INC	L T Contract	0000000824	22,999.00
		May 2013	104,218.00

Supplier	Spot/Contract	Order Number	Quantity (Tons)
June 2013			
OXFORD MINING COMPANY	L T Contract	0000000800	42,614.00
B & N COAL INC	L T Contract	0000000812	16,512.00
ALPHA COAL SALES LLC	L T Contract	0000000818	3,217.00
ALPHA COAL SALES LLC	L T Contract	0000000818	8,322.00
PEABODY COALSALES LLC	L T Contract	0000000822	30,512.00
B & N COAL INC	L T Contract	0000000824	22,811.00
		June 2013	123,988.00
July 2013			
OXFORD MINING COMPANY	L T Contract	0000000800	32,633.00
B & N COAL INC	L T Contract	0000000812	16,134.00
ALPHA COAL SALES LLC	L T Contract	0000000818	3,251.00
PEABODY COALSALES LLC	L T Contract	0000000822	30,907.00
B & N COAL INC	L T Contract	0000000824	16,557.00
WATERLOO COAL COMPANY INC	Spot Market	0000851448	3,109.00
ALPHA COAL SALES CO LLC	Spot Market	0000851449	8,206.00
FORESIGHT COAL SALES LLC	Spot Market	0000851450	6,465.00
FORESIGHT COAL SALES LLC	Spot Market	0000851450	3,232.00
OXFORD MINING COMPANY	Spot Market	0000851457	6,286.00
		July 2013	126,780.00
August 2013			
OXFORD MINING COMPANY	L T Contract	0000000800	49,351.00
B & N COAL INC	L T Contract	0000000812	16,097.00
PEABODY COALSALES LLC	L T Contract	0000000822	30,507.00
B & N COAL INC	L T Contract	0000000824	25,931.00
WATERLOO COAL COMPANY INC	Spot Market	0000851448	3,112.00
ALPHA COAL SALES CO LLC	Spot Market	0000851449	8,365.00
FORESIGHT COAL SALES LLC	Spot Market	0000851450	8,209.00
FORESIGHT COAL SALES LLC	Spot Market	0000851450	6,558.00
OXFORD MINING COMPANY	Spot Market	0000851457	3,086.00
		August 2013	151,216.00

Supplier	Spot/Contract	Order Number	Quantity (Tons)
September 2013			
OXFORD MINING COMPANY	L T Contract	0000000800	49,394.00
B & N COAL INC	L T Contract	0000000812	4,850.00
PEABODY COALSALES LLC	L T Contract	000000822	30,161.00
B & N COAL INC	L T Contract	000000824	38,731.00
WATERLOO COAL COMPANY INC	Spot Market	0000851448	7,809.00
ALPHA COAL SALES CO LLC	Spot Market	0000851449	6,545.00
ALPHA COAL SALES CO LLC	Spot Market	0000851449	3,199.00
FORESIGHT COAL SALES LLC	Spot Market	0000851450	3,324.00
FORESIGHT COAL SALES LLC	Spot Market	0000851450	14,778.00
OXFORD MINING COMPANY	Spot Market	0000851457	3,096.00
		September 2013	161,887.00
October 2013			
OXFORD MINING COMPANY	L T Contract	0000000800	41,052.00
B & N COAL INC	L T Contract	0000000812	16,266.00
PEABODY COALSALES LLC	L T Contract	000000822	30,391.00
B & N COAL INC	L T Contract	000000824	24,466.00
WATERLOO COAL COMPANY INC	Spot Market	0000851448	13,979.00
ALPHA COAL SALES CO LLC	Spot Market	0000851449	8,251.00
FORESIGHT COAL SALES LLC	Spot Market	0000851450	13,113.00
FORESIGHT COAL SALES LLC	Spot Market	0000851450	9,888.00
OXFORD MINING COMPANY	Spot Market	0000851457	3,100.00
		October 2013	160,506.00
TOTAL PERCENTAGE SPOT	19%		
TOTAL PERCENTAGE CONTRACT	81%		

# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 2

RESPONSIBLE PARTY: Mark Horn

Request 2. For the period from May 1, 2013 through October 31, 2013, list each vendor from whom natural gas was purchased for generation and the quantities and the nature of each purchase (e.g., spot or contract). For contract purchases, state whether the contract has been filed with the Commission. If no, explain why it has not been filed.

## Response 2.

<u>Vendor</u>	Quantity (MMBtu)	Type of Purchase
Atmos	472,176	Spot
Energy America	187,369	Spot
Gavilon	56,721	Spot
Gavilon-TETCO	2,500	Spot
NJR Energy	640,848	Spot
NJR-TETCO	2,400	Spot
Sequent	369,147	Spot
TGP	1,532	Spot

Please note that NAESB contracts with the above vendors have been filed with the Commission.

# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 3

**RESPONSIBLE PARTY:** Mark Horn

Request 3. State whether East Kentucky engages in hedging activities for its coal or natural gas purchases used for generation. If yes, describe the hedging activities in detail.

Response 3. East Kentucky engages in "physical" hedging of its coal supply and pricing by blending contract coal with long and short-term purchase orders. Coal contract terms will vary based on market conditions, and have staggered expiration and reopener dates to levelize coal contract pricing. Some of the factors that impact contract mix are coal availability, foreseeable mining or transportation problems, and planned unit outages.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 4

**RESPONSIBLE PARTY:** Mark Horn

Request 4. For each generating station or unit for which a separate coal pile is maintained, state, for the period from May 1, 2013 through October 31, 2013, the actual amount of coal burned in tons, the actual amount of coal deliveries in tons, the total kWh generated, and the actual capacity factor at which the plant operated.

Response 4. Please see page 2 of this response.

## PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

### **RESPONSE TO PSC ORDER DATED 02/07/14**

Station		June	July	August	September	October
Dale						<del></del>
Tons Burned	22,946.85	0.00	13,364.09	4,000.08	0.00	0.00
Tons Delivered	31,034.93	0.00	11,050.80	9,559.47	0.00	0.00
Generation—Net kWh	48,989,000.00	-715,000.00	27,037,000.00	7,835,000.00	-311,000.00	-178,000.00
Actual Capacity Factor (net)	33.59	-0.51	18.54	5.37	-0.22	-0.12
Cooper						
Tons Burned	40,635.50	16,347.50	31,387.00	33,488.00	8,943.00	6,910.50
Tons Delivered	30,024.81	64,520.67	47,822.76	40,377.24	33,222.00	25,856.11
Generation—Net kWh	86,399,000.00	34,908,999.00	69,531,000.00	74,539,000.00	20,413,000.00	14,319,000.00
Actual Capacity Factor (net)	34.06	14.22	27.41	29.38	8.31	5.64
Spurlock 1 & 2 (Scrubber)						
Tons Burned	166,270.00	220,568.00	228,089.00	185,127.00	188,544.00	212,109.00
Tons Delivered	165,006.00	216,069.00	173,715.00	211,981.00	202,725.00	205,397.00
Generation—Net kWh	369,011,666.00	487,983,416.00	496,445,277.00	412,762,940.00	422,722,617.00	463,877,300.00
Actual Capacity Factor (net)	61.23	83.67	82.38	68.49	72.48	76.97
Gilbert/Spurlock 4 (CFB)						
Tons Burned	102,757.00	133,477.00	143,695.00	144,388.00	125,330.00	114,970.00
Tons Delivered	104,218.00	123,988.00	126,780.00	151,216.00	161,887.00	160,506.00
Generation-Net kWh	229,488,000.00	290,470,000.00	316,471,000.00	323,156,000.00	276,497,000.00	256,226,000.00
Actual Capacity Factor (net)	57.55	75.27	79.36	81.04	71.65	64.25

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 5

RESPONSIBLE PARTY: Julia J. Tucker

Request 5. List all firm power commitments for East Kentucky from May 1, 2013 through October 31, 2013 for (a) purchases and (b) sales. This list shall identify the electric utility, the amount of commitment in MW, and the purpose of the commitment (e.g., peaking, emergency).

## Response 5.

## (a) Purchases

Company	MW	Purpose	Contract Date
AEP	50	Energy	01/01/12 - 12/31/14
SEPA	Up to 170	Energy	07/01/98 - 06/30/17

### (b) Sales

Company	MW	Purpose	Contract Date	
Cargill	100	Engrau	07/15/13 - 07/19/13	
		Energy	07/22/13 - 07/26/13	

# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 6

RESPONSIBLE PARTY: Julia J. Tucker

Request 6. Provide a monthly billing summary of sales to all electric utilities for the period May 1, 2013 through October 31, 2013.

Response 6. Please see member cooperative sales on pages 2 through 35 of this response. Please see other sales on pages 36 through 41 of this response.

#### 6/4/13 16:10

# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

May

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CO-OP Name/EKPC		кw	кwн	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	40,161	16,861,155	65.53	48,897	68.43	164,640	78.19	1,318,380
	YTD	262,986	112,904,460	63.85	17,289	64.01	999,400	72.86	8,226,161
BLUE GRASS ENERGY	Month	203,903	92,689,064	63.29	268,798	66.19	875,486	75.64	7,010,633
	YTD	1,289,967	572,053,584	62.78	122,496	63.00	4,985,824	71.71	41,022,487
CLARK ENERGY COOP	Month	69,067	29,470,419	66.11	85,463	69.01	290,221	78.86	2,324,015
	YTD	463,390	195,331,408	64.71	31,092	64.87	1,752,130	73.84	14,423,781
CUMBERLAND VALLEY ELECTRIC	Month	71,816	33,295,979	64.35	96,556	67.25	319,521	76.85	2,558,634
	YTD	485,904	214,544,909	63.66	39,621	63.84	1,894,104	72.67	15,590,626
FARMERS RECC	Month	71,177	35,011,229	62.37	101,532	65.27	326,114	74.59	2,611,424
	YTD	447,316	216,016,378	61.75	47,358	61.97	1,852,851	70.55	15,240,189
FLEMING MASON RECC	Month	146,418	67,304,523	58.21	195,147	61.11	586,904	69.83	4,700,069
	YTD	846,412	370,199,614	59.10	112,516	59.40	3,048,139	67.64	25,038,574
GRAYSON RECC	Month	42,351	18,007,323	65.51	52,143	68.40	175,775	78.17	1,407,562
	YTD	262,797	117,109,783	63.52	20,472	63.70	1,031,778	72.51	8,491,293
INTER-COUNTY ECC	Month	67,590	29,491,090	64.25	85,019	67.13	282,513	76.71	2,262,270
	YTD	491,488	204,114,407	63.83	27,026	63.96	1,803,901	72.80	14,859,244
JACKSON ENERGY COOP	Month	137,010	62,063,966	64,16	179,987	67.06	593,945	76.63	4,756,146
	YTD	965,281	416,311,999	63.63	63,237	63.78	3,670,136	72.60	30,223,337
LICKING VALLEY RECC	Month	41,774	18,034,244	65.37	52,299	68.27	175,702	78.02	1,406,967
	YTD	268,635	118,902,884	63.60	19,992	63.77	1,048,832	72.59	8,631,600
NOLIN RECC	Month	115,456	56,620,337	60.97	164,196	63.87	516,052	72.98	4,132,387
	YTD	742,978	337,882,027	61.43	79,296	61.67	2,883,391	70,20	23,720,066
OWEN EC	Month	368,711	184,553,940	53.19	535,208	56.09	1,477,112	64.09	11,828,274
	YTD	1,913,515	941,614,686	53.71	322,498	54.05	7,050,450	61.54	57,948,961
SALT RIVER RECC	Month	184,725	82,879,375	63.60	240,348	66.50	786,461	75.99	6,297,757
	YTD	1,024,038	475,458,086	62.30	123,019	62.56	4,119,742	71.23	33,865,807
SHELBY ENERGY COOP	Month	70,392	34,842,502	60.90	101,045	63.80	317,210	72.90	2,540,111
	YTD	421,508	203,933,549	60.74	52,885	61.00	1,722,744	69.45	14,162,699
SOUTH KENTUCKY RECC	Month	188,790	88,502,573	63.34	256,656	66.24	836,616	75.70	6,699,370
	YTD	1,357,142	573,023,513	63.74	101,888	63.92	5,063,411	72.76	41,692,513
TAYLOR COUNTY RECC	Month	82,413	32,928,076	64,17	94,850	67.05	314,390	76,60	2,522,126
THE STATE OF THE S	YTD	537,452	206,459,523	64.01	40,630	64.21	1,830,557	73.08	15,087,393
OO OR Substale					<del></del>	63.83	8,038,662	72.94	
CO-OP Subtotals	Month	1,901,754	882,555,795	60.94 61.08	2,558,144 1,221,315	61.31	44,757,390	72. <del>94</del> 69.79	64,376,125
	YTD	11,780,809	5,275,860,810	01.00	1,221,315	01.01	77,737,380	U3.13	368,224,731

#### 6/4/13 16:10

# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

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CO-OP Name/EKPC			ĸw	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam		Month	35,575	21,244,851	48.63	60,871	51.50	156,127	58.85	1,250,216
· .		YTD	200,194	111,748,154	49.20	36,877	49.53	768,159	56.40	6,302,490
Totals		Month	1,937,329	903,800,646	60.65	2,619,015	63.54	8,194,789	72.61	65,626,341
		YTD	11,981,003	5,387,608,964	60.83	1,258,192	61.07	45,525,549	69.52	374,527,221
Bumside		Month	45	26,347	58.49	76	61.37	231	70.14	1,848
		YTD	911	399,773	63.01	-72	62.83	3,451	71.46	28,568
East Ky Office		Month	779	525,112	56.71	1,522	59.61	4,467	68.11	35,768
		YTD	5,253	2,980,280	58.89	867	59.18	24,434	67.38	200,818
Smith Contruction		Month	66	39,993	58.04	116	60.94	348	69.64	2,785
		YTD	478	234,398	61.09	59	61.34	1,991	69.83	16,369
EKPC Subtotals		Month	890	591,452	56.88	1,714	59.78	5,046	68.31	40,401
		YTD	6,642	3,614,451	59.49	854	59.73	29,876	67.99	245,755
	Totals	Month	1,938,219	904,392,098	60.64	2,620,729	63.54	8,199,835	72.61	65,666,742
		YTD	11,987,645	5,391,223,415	60.83	1,259,046	61.07	45,555,425	69.52	374,772,976

# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

May 2013

CO-OP Name/EKPC		кwн	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
•	OTY	29,000		690
BLUE GRASS ENERGY	Month	22,300	0.02375	530
	YTD	111,600		2,652
CLARK ENERGY COOP	Month	2,600	0.02375	62
	YTD	12,200		290
CUMBERLAND VALLEY ELECTRIC	Month	2,300	0.02375	55
	YTD	11,700		279
FARMERS RECC	Month	1,900	0.02375	45
	YTD	9,500		225
FLEMING MASON RECC	Month	3 <b>,</b> 100	0.02375	74
	YTD	15,500		370
GRAYSON RECC	Month	7,400	0.02375	176
	YTD	37,000		880
INTER-COUNTY ECC	Month	5,400	0.02375	128
	YTD	27,300		649
JACKSON ENERGY COOP	Month	13,200	0.02375	314
	YTD	71,600		1,702
LICKING VALLEY RECC	Month	3,400	0.02375	81
	YTD	17,000		405
NOLIN RECC	Month	29,400	0.02375	698
	YTD	147,700		3,508
OWENEC	Month	210,700	0.02375	5,004
	YTD	1,052,700		25,002
SALT RIVER RECC	Month	47,500	0.02375	1,128
	YTD	241,300	<del></del>	5,732
SHELBY ENERGY COOP	Month	13,500	0.02375	321
	YTD	67,500		1,605

#### 6/4/13 17:12

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

#### May 2013

CO-OP Name/EKPC			KWH	KWH Charge	Revenue
OUTH KENTUCKY RECC		Month	18,600	0,02375	442
		YTD	93,000		2,210
EKPC Subtotals		Month	387,100	0.02375	9,196
		YTD	1,944,600		46,199
	Totals	Month	387,100	0.02375	9,196
		YTD	1,944,600		46,199

# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

CO-OP Name/EKPC		kw	кwн	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	44,832	18,967,360	65.58	23,709	66.83	227,793	78.84	1,495,421
	YTD	307,818	131,871,820	64.10	40,998	64.41	1,227,193	73.72	9,721,582
BLUE GRASS ENERGY	Month	234,206	104,479,647	63.71	130,599	64.96	1,219,682	76.64	8,007,014
	YTD	1,524,173	676,533,231	62.93	253,095	63.30	6,205,506	72.47	49,029,501
CLARK ENERGY COOP	Month	79,763	33,895,630	66.17	42,372	67.42	410,679	79.54	2,696,046
	YTD	543,153	229,227,038	64.93	73,464	65.25	2,162,809	74.69	17,119,827
CUMBERLAND VALLEY ELECTRIC	Month	85,408	36,363,174	65.67	45,453	66.92	437,302	78,95	2,870,810
	YTD	571,312	250,908,083	63.95	85,074	64.29	2,331,406	73.58	18,461,436
FARMERS RECC	Month	96,247	43,037,703	63.75	55,689	65.04	499,955	76.66	3,299,206
	YTD	543,563	259,054,081	62.09	103,047	62.48	2,352,806	71.57	18,539,395
FLEMING MASON RECC	Month	152,844	67,079,213	59.34	83,826	60.59	730,339	71.48	4,794,913
	YTD	999,256	437,278,827	59.14	196,342	59.58	3,778,478	68.23	29,833,487
GRAYSON RECC	Month	46,826	20,149,631	65.39	25,187	66.64	241,287	78.61	1,584,011
	YTD	309,623	137,259,414	63.80	45,659	64.13	1,273,065	73.40	10,075,304
NTER-COUNTY ECC	Month	81,540	33,770,868	65.25	42,078	66.49	403,526	78.44	2,649,061
	YTD	573,028	237,885,275	64.03	69,104	64.32	2,207,427	73.60	17,508,305
ACKSON ENERGY COOP	Month	158,789	69,503,575	64.77	86,884	66.02	824,588	77.88	5,413,282
	YTD	1,124,070	485,815,574	63.79	150,121	64.10	4,494,724	73.35	35,636,619
ICKING VALLEY RECC	Month	46,899	19,920,200	65,75	24,901	67.00	239,826	79.04	1,574,419
	YTD	315,534	138,823,084	63.91	44,893	64.24	1,288,658	73.52	10,206,019
NOLIN RECC	Month	139,290	62,220,998	62.54	77,776	63.79	713,261	75.26	4,682,455
	YTD	882,268	400,103,025	61.61	157,072	62.00	3,596,652	70.99	28,402,521
OWEN EC	Month	382,880	191,873,094	53.68	239,779	54.93	1,894,005	64.80	12,433,826
	YTD	2,296,395	1,133,487,780	53.71	562,277	54.20	8,944,455	62.09	70,382,787
SALT RIVER RECC	Month	218,973	97,052,434	63.86	121,318	65.11	1,135,541	76.81	7,454,629
	YTD	1,243,011	572,510,520	62.57	244,337	62.99	5,255,283	72.17	41,320,436
SHELBY ENERGY COOP	Month	81,259	38,086,271	61.90	47,608	63.15	432,225	74.50	2,837,486
	YTD	502,767	242,019,820	60.92	100,493	61.34	2,154,969	70.24	17,000,185
SOUTH KENTUCKY RECC	Month	217,266	98,889,180	63.88	123,611	65.13	1,157,432	76,84	7,598,326
	YTD	1,574,408	671,912,693	63.76	225,499	64.10	6,220,843	73.36	49,290,839
TAYLOR COUNTY RECC	Month	97,157	38,064,698	64.66	47,312	65.90	450,061	77.72	2,958,527
	YTD	634,609	244,524,221	64.11	87,942	64.47	2,280,618	73.80	18,045,920
CO-OP Subtotals	Month	2,164,179	973,353,676	61.76	1,218,102	63.01	11,017,502	74.33	72,349,432
OO-O1 Oublouds	YTD	13,944,988	6,249,214,486	61.19	2,439,417	61.58	55,774,892	70.50	440,574,163

#### 7/2/13 17:48

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

CO-OP Name/EKPC			kw	кwн	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue			
Inland Steam		Month	34,785	18,519,752	49.63	22,872	50.87	169,295	60.01	1,111,394			
		YTD	234,979	130,267,906	49.26	59,749	49.72	937,454	56.91	7,413,884			
Totals		Month	2,198,964	991,873,428	61.53	1,240,974	62.78	11,186,797	74.06	73,460,826			
		YTD	14,179,967	6,379,482,392	60.94	2,499,166	61.33	56,712,346	70.22	447,988,047			
Burnside		Month	53	23,798	62.65	30	63.91	273	75,38	1,794			
		YTD	964	423,571	62.99	-42	62.89	3,724	71.68	30,362			
East Ky Office		Month	795	513,577	57.22	643	58.47	5,397	68.98	35,428			
		YTD	6,048	3,493,857	58.65	1,510	59.08	29,831	67.62	236,246			
Smith Contruction		Month	72	42,904	58.25	54	59.50	459	70.20	3,012			
		YTD	550	277,302	60.65	113	61.06	2,450	69.89	<u>19,381</u>			
EKPC Subtotals		Month	920	580,279	57.52	727	58.77	6,129	69.34	40,234			
		YTD	7,562	4,194,730	59.22	1,581	59.59	36,005	68.18	285,989			
	Totals	Month	2,199,884	992,453,707	61.53	1,241,701	62.78	11,192,926	74.06	73,501,060			
		YTD	14,187,529	6,383,677,122	60.94	2,500,747	61.33	56,748,351	70.22	448,274,036			

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

				Julie 2013
CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
	YTD	34,800		828
BLUE GRASS ENERGY	Month	22,900	0.02375	544
	YTD	134,500		3,196
CLARK ENERGY COOP	Month	2,500	0.02375	59
	YTD	14,700		349
CUMBERLAND VALLEY ELECTRIC	Month	2,300	0.02375	55
	YTD	14,000		334
FARMERS RECC	Month	1,900	0.02375	45
	YTD	11,400		270
FLEMING MASON RECC	Month	3,100	0.02375	74
	YTD	18,600		444
GRAYSON RECC	Month	7,400	0.02375	176
	YTD	44,400		1,056
INTER-COUNTY ECC	Month	5,400	0.02375	128
	YTD	32,700		777
JACKSON ENERGY COOP	Month	14,600	0.02375	347
	YTD	86,200		2,049
LICKING VALLEY RECC	Month	3,400	0.02375	81
	YTD	20,400		486
NOLIN RECC	Month	29,400	0.02375	698
	YTD	177,100		4,206
OWEN EC	Month	210,700	0.02375	5,004
	YTD	1,263,400		30,006
SALT RIVER RECC	Month	48,200	0.02375	1,145
	YTD	289,500		6,877
SHELBY ENERGY COOP	Month	13,500	0.02375	321
	YTD	81,000		1,926

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

CO-OP Name/EKPC			кwн	KWH Charge	Revenue
SOUTH KENTUCKY RECC		Month	18,600	0.02375	442
		_ YTD	111,600		2,652
EKPC Subtotals		Month	389,700	0.02375	9,257
		YTD	2,334,300		55,456
	Totals	Month	389,700	0.02375	9,257
		YTD	2,334,300		55,456

#### June 2013

CO-OP Name		кw	DLC Demand Charge	DLC Credit	DLC Demand Surcharge	Total Revenue
BIG SANDY RECC				<del></del>		
	Month	0	0	-815	-146	-961
		0	0	-815	-146	-961
BLUE GRASS ENERGY						
	Month	0	0	-8,804	-1,582	-10,386
		0	0	-8,804	-1,582	-10,386
CLARK ENERGY COOP						
	Month	0	0	-957	-172	-1,129
		0	0	<b>-</b> 957	-172	-1,129
CUMBERLAND VALLEY ELECTRIC						
	Month	0	0	-1,056	-190	-1,246
		0	0	-1,056	-190	-1,246
FARMERS RECC	••	_	_		,	0.700
	Month	0	0	-3,138	-564	-3,702
FLEMING MASON RECC		0	0	-3,138	-564	-3,702
LEMMA MASON RECC	Month	•	2	•	_	0
	Mount	0	0 0	0 0	0 0	_
GRAYSON RECC			<del></del>			0
5.01.105111(L55	Month	0	0	-785	-141	-926
	Month	0	0	-785	-141 -141	-926
INTER-COUNTY ECC	<del></del>		<u> </u>			
	Month	0	0	-3,724	-669	-4,393
		0	0	-3,724	-669	-4,393
JACKSON ENERGY COOP		<del></del>	<del></del>	<del></del>		
	Month	0	0	-1,472	-265	-1,737
		0	0	-1,472	-265	-1,737
LICKING VALLEY RECC						·
	Month	0	0	-213	-38	-251
		0	0	-213	-38	-251
NOLIN RECC					<del></del>	
	Month	0	0	-3,749	-674	-4,423
		0	0	-3,749	-674	-4,423

CO-OP Name		KW	DLC Demand Charge	DLC Credit	DLC Demand Surcharge	Total Revenue
OWENEC	<del></del>		<del></del>	<del></del>		
	Month	0	0	-8,538	-1,534	-10,072
		0	0	-8,538	-1,534	-10,072
SALT RIVER RECC				<del> </del>		
	Month	0	0	-3,834	-689	-4,523
		0	0	-3,834	-689	-4,523
SHELBY ENERGY COOP				<del></del>	<del></del>	
	Month	0	0	-174	-31	-205
		0	0	-174	-31	-205
SOUTH KENTUCKY RECC			<del></del>			<del></del>
	Month	0	0	-5,296	-952	-6,248
		0	0	-5,296	-952	-6,248
TAYLOR COUNTY RECC		<del></del>			<del></del>	
	Month	0	0	-308	-55	-363
		0	0	-308	-55	-363
	Month	0	0	-42,863	-7,702	-50,565
Totals:	YTD	0	0	-42,863	-7,702	-50,565

#### 8/5/13 16:09

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

CO-OP Name/EKPC	•	kw	кwн	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	48,163	21,245,912	64.82	-42,705	62.81	228,059	73.54	1,562,521
	YTD	355,981	153,117,732	64.20	-1,707	64.19	1,455,252	73.70	11,284,103
BLUE GRASS ENERGY	Month	246,552	113,467,370	62.65	-228,069	60.64	1,175,826	71.00	8,056,037
	YTD	1,770,725	790,000,601	62.88	25,026	62.92	7,381,332	72.26	57,085,538
CLARK ENERGY COOP	Month	84,780	37,155,353	65.54	-74,680	63.53	403,382	74.38	2,763,705
	YTD	627,933	266,382,391	65.01	-1,216	65.01	2,566,191	74.64	19,883,532
CUMBERLAND VALLEY ELECTRIC	Month	86,242	38,708,354	64.93	-77,803	62.92	416,206	73.67	2,851,580
	YTD	657,554	289,616,437	64.08	7,271	64.10	2,747,612	73.59	21,313,016
ARMERS RECC	Month	92,822	45,012,765	62.69	-90,477	60.68	466,772	71.05	3,198,039
	YTD	636,385	304,066,846	62.17	12,570	62.22	2,819,578	71.49	21,737,434
LEMING MASON RECC	Month	160,750	70,699,645	59.49	-142,068	57.48	694,427	67.30	4,758,317
	YTD	1,160,006	507,978,472	59.18	54,274	59.29	4,472,905	68.10	34,591,804
RAYSON RECC	Month	50,501	22,598,775	64.67	-45,422	62.66	241,983	73.36	1,657,922
	YTD	360,124	159,858,189	63.92	237	63.92	1,515,048	73.40	11,733,226
ITER-COUNTY ECC	Month	87,100	36,488,075	65.11	-73,031	63.11	393,513	73.89	2,696,120
	YTD	660,128	274,373,350	64.17	-3,927	64.16	2,600,940	73.64	20,204,425
ACKSON ENERGY COOP	Month	165,431	75,354,691	64.13	-151,464	62.12	800,036	72.74	5,481,352
	YTD	1,289,501	561,170,265	63.84	-1,343	63.84	5,294,760	73.27	41,117,971
ICKING VALLEY RECC	Month	50,955	22,456,403	65.05	-45,138	63.04	241,941	73.82	1,657,636
	YTD	366,489	161,279,487	64.07	-245	64.07	1,530,599	73,56	11,863,655
OLIN RECC	Month	142,648	66,793,245	62.02	-134,256	60.01	685,013	70.27	4,693,292
	YTD	1,024,916	466,896,270	61.67	22,816	61.71	4,281,665	70.88	33,095,813
WEN EC	Month	410,430	204,766,921	56.01	-404,428	54.03	1,803,407	62.84	12,867,015
	YTD	2,706,825	1,338,254,701	54.06	157,849	54.18	10,747,862	62.21	83,249,802
ALT RIVER RECC	Month	225,706	103,177,454	63.41	-207,388	61.40	1,082,678	71.89	7,417,845
	YTD	1,468,717	675,687,974	62.70	36,949	62.75	6,337,961	72.13	48,738,281
HELBY ENERGY COOP	Month	84,383	39,792,281	61.97	-79,981	59.96	407,764	70.21	2,793,741
	YTD	587,150	281,812,101	61.07	20,512	61.14	2,562,733	70.24	19,793,926
OUTH KENTUCKY RECC	Month	231,336	106,614,105	63,64	-214,292	61.63	1,122,917	72.16	7,693,515
	YTD	1,805,744	778,526,798	63.75	11,207	63.76	7,343,760	73.20	56,984,354
AYLOR COUNTY RECC	Month	99,478	40,817,417	64.13	-81,592	62.13	432,396	72.72	2,968,222
	YTD	734,087	285,341,638	64.12	6,350	64.14	2,713,014	73.65	21,014,142
CO-OP Subtotals	Month	2,267,277	1,045,148,766	61.82	-2,092,794	59.82	10,596,320	69.96	73,116,859
	YTD	16,212,265	7,294,363,252	61.28	346,623	61.32	66,371,212	70.42	513,691,022

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# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

CO-OP Name/EKPC	•		ĸw	кwн	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue			
Inland Steam		Month	34,713	18,857,721	49.65	-37,525	47.66	153,590	55.80	1,052,303			
		YTD	269,692	149,125,627	49.31	22,224	49.46	1,091,044	56.77	8,466,187			
Totals		Month	2,301,990	1,064,006,487	61.61	-2,130,319	59.60	10,749,910	69.71	74,169,162			
		YTD	16,481,957	7,443,488,879	61.04	368,847	61.09	67,462,256	70.15	522,157,209			
Burnside		Month	42	26,919	57.36	-54	55.35	255	64.82	1,745			
		YTD	1,006	450,490	62.65	-96	62.44	3,979	71.27	32,107			
East Ky Office		Month	829	561,812	56.65	-1,129	54.64	5,246	63.98	35,942			
		YTD	6,877	4,055,669	58.37	381	58.46	35,077	67.11	272,188			
Smith Contruction		Month	66	44,773	56.64	-90	54.63	418	63.97	2,864			
		YTD	616	322,075	60.09	23	60.16	2,868	69.07	22,245			
EKPC Subtotals		Month	937	633,504	56.68	-1,273	54.67	5,919	64.01	40,551			
		YTD	8,499	4,828,234	58.88	308	58.95	41,924	67.63	326,540			
	Totals	Month	2,302,927	1,064,639,991	61.60	-2,131,592	59.60	10,755,829	69.70	74,209,713			
		YTD	16,490,456	7,448,317,113	61.04	369,155	61.08	67,504,180	70.15	522,483,749			

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

CO-OP Name/EKPC		кwн	KWH Charge	Revenue
BIG SANDY RECC	Month YTD	5,800 40,600	0.02375	138 966
BLUE GRASS ENERGY	Month YTD	22,900 157,400	0.02375	544 3,740
CLARK ENERGY COOP .	Month YTD	2,500 17,200	0.02375	59 408
CUMBERLAND VALLEY ELECTRIC	Month YTD	2,300 16,300	0.02375	55 389
FARMERS RECC	Month YTD	1,700 13,100	0.02375	40 310
FLEMING MASON RECC	Month YTD	3,100 21,700	0.02375	74 518
GRAYSON RECC	Month YTD	7,400 51,800	0.02375	176 1,232
INTER-COUNTY ECC	Month YTD	5,400 38,100	0.02375	128 905
JACKSON ENERGY COOP	Month YTD	14,000 100,200	0.02375	333 2,382
LICKING VALLEY RECC	Month YTD	3,400 23,800	0.02375	81 567
NOLIN RECC	Month YTD	29,400 206,500	0.02375	698 4,904
OWENEC	Month YTD	209,600 1,473,000	0.02375	4,978 34,984
SALT RIVER RECC	Month YTD	48,000 337,500	0.02375	1,140 8,017

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# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

CO-OP Name/EKPC		кwн	KWH Charge	Revenue
SHELBY ENERGY COOP	Month	13,500	0.02375	321
	YTD	94,500		2,247
SOUTH KENTUCKY RECC	Month	18,600	0.02375	442
	YTD	130,200		3,094
EKPC Subtotals	Month	387,600	0.02375	9,207
	YTD	2,721,900		64,663
To	als Month	387,600	0.02375	9,207
	YTD	2,721,900		64,663

CO-OP Name		· KW	DLC Demand Charge	DLC Credit	DLC Demand Surcharge	Total Revenue
BIG SANDY RECC			<del></del>			
	Month	0	0	885	-151	-1,036
·		0	0	-1,700	-297	-1,997
BLUE GRASS ENERGY						-
	Month ·	0	0	-8,804	-1,505	-10,309
		0	0	-17,608	-3,087	-20,695
CLARK ENERGY COOP						
	Month	0	0	-957	-164	-1,121
		0	0	-1,914	-336	-2,250
CUMBERLAND VALLEY ELECTRIC		_				
	Month	0	0	-1,066	-182	1,248
		0	0	-2,122	-372	-2,494
FARMERS RECC	<del></del>					
	Month	0	0	-3,568	-610	-4,178
		0	0	-6,706	-1,174	-7,880 
FLEMING MASON RECC						
	Month	0	0	0	0	0
ABN/ABU 156A		0	0	0	0	0
GRAYSON RECC						
	Month	0	0	-817	-140	-957
INTER ANTINOVERA		0	0	-1,602	-281	-1,883
INTER-COUNTY ECC			_			4.077
	Month	0	0	-4,165	-712	-4,877
JACKSON ENERGY COOP	<del></del>	0		<b>-7,889</b>	-1,381	-9,270 
JACKSON ENERGY COOP	8.8 a 4h	•	•	4.476	0.50	-1,724
	Month	0	0 0	-1,472	-252	
LICKING VALLEY RECC	_ <del>_</del>	0		-2,944	-517	-3,461 
LIONING VALLET NEOC	Month	0	0	266	45	-311
	MOUTH	0	0 0	-266 -479	-45 -83	-562
NOLIN RECC				-4/9	-03	+362
TOLIT REGO	Month	0	0	-3,749	-641	-4,390
	MOUNT	0	0	-3,749 -7,498	-041 -1,315	-8,813
		U	v	-1,490	-1,315	-0,013

CO-OP Name		KW	DLC Demand Charge	DLC Credit	DLC Demand Surcharge	Total Revenue
OWEN EC				<del></del>		<del> </del>
	Month	0	0	-10,642	-1,819	-12,461
		0	0	-19,180	-3,353	-22,533
SALT RIVER RECC						
	Month	0	0	-3,834	-655	-4,489
		0	0	-7,668	-1,344	-9,012
SHELBY ENERGY COOP						
	Month	0	0	-610	-104	-714
		0	. О	-784	-135	-919
SOUTH KENTUCKY RECC						<del></del>
	Month	0	0	-6,472	-1,106	-7,578
		0	0	-11,768	-2,058	-13,826
TAYLOR COUNTY RECC						
	Month	0	0	-309	-53	-362
		0	0	-617	-108	-725
	Month	0	0	-47,616	-8,139	-55,755
Totals:	YTD	0	0	-90,479	-15,841	-106,320

### EAST KENTUCKY POWER COOPERATIVE INC.

### Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

	August								
CO-OP Name/EKPC		ĸw	кwн	Base Milis/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	44,590	20,036,396	64.61	-33,060	62.96	198,925	72.88	1,460,343
	YTD	400,571	173,154,128	64.25	-34,767	64.05	1,654,177	73.60	12,744,446
BLUE GRASS ENERGY	Month	236,015	113,512,112	62.00	-187,294	60.35	1,080,343	69.87	7,930,966
	YTD	2,006,740	903,512,713	62.77	-162,268	62.59	8,461,675	71.96	65,016,504
CLARK ENERGY COOP	Month	78,873	35,946,000	65.09	-59,312	63.44	359,619	73.44	2,640,012
	YTD	706,806	302,328,391	65.02	-60,528	64.82	2,925,810	74.50	22,523,544
CUMBERLAND VALLEY ELECTRIC	Month	81,432	38,913,015	64.08	-64,205	62.43	383,091	72.27	2,812,324
	YTD	738,986	328,529,452	64.08	-56,934	63.90	3,130,703	73.43	24,125,340
FARMERS RECC	Month	90,910	45,166,184	62.42	-74,524	60.77	432,818	70.35	3,177,385
	YTD	727,295	349,233,030	62.21	-61,954	62.03	3,252,396	71.34	24,914,819
FLEMING MASON RECC	Month	156,448	73,328,717	58.41	-120,968	56.76	656,311	65.71	4,818,383
	YTD	1,316,454	581,307,189	59.09	-66,694	58.97	5,129,216	67.80	39,410,187
GRAYSON RECC	Month	48,310	21,190,754	65.00	-34,963	63.35	211,707	73.34	1,554,169
	YTD	408,434	181,048,943	64.05	-34,726	63.85	1,726,755	73.39	13,287,395
INTER-COUNTY ECC	Month	82,220	36,689,069	64.30	-60,424	62.65	362,500	72.53	2,661,168
	YTD	742,348	311,062,419	64.19	-64,351	63.98	2,963,440	73.51	22,865,593
JACKSON ENERGY COOP	Month	157,031	75,084,481	63.52	-123,889	61.87	732,591	71.63	5,378,050
	YTD	1,446,532	636,254,746	63.80	-125,232	63.60	6,027,351	73.08	46,496,021
LICKING VALLEY RECC	Month	47,872	21,248,435	65.04	-35,061	63.39	212,407	73.38	1,559,314
	YTD	414,361	182,527,922	64.18	-35,306	63.99	1,743,006	73.54	13,422,969
NOLIN RECC	Month	142,703	68,610,364	61.53	-113,205	59.88	647,874	69.32	4,756,148
	YTD	1,167,619	535,506,634	61.65	-90,389	61.48	4,929,539	70.68	37,851,961
OWEN EC	Month	410,266	205,121,091	54.07	-338,319	52.42	1,695,581	60.68	12,447,514
	YTD	3,117,091	1,543,375,792	54.06	-180,470	53.94	12,443,443	62.01	95,697,316
SALT RIVER RECC	Month	226,432	105,895,505	63.13	-174,727	61.48	1,026,741	71.18	7,537,442
	YTD	1,695,149	781,583,479	62.76	-137,778	62.58	7,364,702	72.00	56,275,723
SHELBY ENERGY COOP	Month	85,087	41,165,805	61.42	-67,923	59.77	388,026	69.20	2,848,541
	YTD	672,237	322,977,906	61.12	-47,411	60.97	2,950,759	70.11	22,642,467
SOUTH KENTUCKY RECC	Month	224,200	107,570,086	63.13	-177,494	61.48	1,042,848	71.17	7,655,726
	YTD	2,029,944	886,096,884	63.67	-166,287	63.48	8,386,608	72.95	64,640,080
TAYLOR COUNTY RECC	Month	96,614	41,310,642		-67,787	61.78	401,846	71.51	2,954,080
	YTD	830,701	326,652,280	64.03	-61,437	63.84	3,114,860	73.38	23,968,222
CO-OP Subtotals	Month	2,209,003	1,050,788,656	60.99	-1,733,155	59.34	9,833,228	68.70	72,191,565
CO-OF Subtotals	YTD	18,421,268	8,345,151,908	61.24	-1,386,532	61.07	76,204,440	70.21	585,882,587
	110	10,721,200	0,575,151,506	•T	1,000,002		,, •		200,002,001

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## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

									August	
CO-OP Name/EKPC			kw	кwн	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam		Month	35,721	20,101,483	49.52	-32,902	47.89	151,804	55.44	1,114,415
		YTD	305,413	169,227,110	49.33	-10,678	49.27	1,242,848	56.61	9,580,602
Totals		Month	2,244,724	1,070,890,139	60.78	-1,766,057	59.13	9,985,032	68.45	73,305,980
		YTD	18,726,681	8,514,379,018	61.00	-1,397,210	60.84	77,447,288	69.94	595,463,189
Bumside		Month	48	27,306	58.92	-45	57.28	247	66.32	1,811
		YTD	1,054	477,796	62.44	-141	62.14	4,226	70.99	33,918
East Ky Office		Month	818	560,197	56.52	-924	54.87	4,848	63.53	35,588
		YTD	7,695	4,615,866	58.15	-543	58.03	39,925	66.68	307,776
Smith Contruction		Month	69	43,863	57.41	<b>-72</b>	55.76	386	64.56	2,832
		YTD	685	365,938	59.77	-49	59.64	3,254	68.53	25,077
EKPC Subtotals		Month	935	631,366	56.69	-1,041	55.04	5,481	63.72	40,231
		YTD	9,434	5,459,600	58.63	-733	58.50	47,405	67.18	366,771
T	<b>Totals</b>	Month	2,245,659	1,071,521,505	60.78	-1,767,098	59.13	9,990,513	68.45	73,346,211
		YTD	18,736,115	8,519,838,618	61.00	-1,397,943	60.84	77,494,693	69.93	595,829,960

#### EAST KENTUCKY POWER COOPERATIVE INC. **Wholesale Power Accounting Green Power Billing Summary**

August 2013

			August 2013					
CO-OP Name/EKPC		кwн	KWH Charge	Revenue				
BIG SANDY RECC	Month YTD	5,800 46,400	0.02375	138 1,104				
BLUE GRASS ENERGY	Month YTD	22,900 180,300	0.02375	544 4,284				
CLARK ENERGY COOP	Month YTD	3,300 20,500	0.02375	78 486				
CUMBERLAND VALLEY ELECTRIC	Month YTD	2,300 18,600	0.02375	55 444				
FARMERS RECC	Month YTD	1,700 14,800	0.02375	. 40 350				
FLEMING MASON RECC	Month YTD	3,100 24,800	0.02375	74 592				
GRAYSON RECC	Month YTD	7,400 59,200	0.02375	176 1,408				
INTER-COUNTY ECC	Month YTD	5,400 43,500	0.02375	128 1,033				
JACKSON ENERGY COOP	Month YTD	14,000 114,200	0.02375	333 2,715				
LICKING VALLEY RECC	Month YTD	3,400 27,200	0.02375	81 648				
NOLIN RECC	Month YTD	29,400 235,900	0.02375	698 5,602				
OWEN EC	Month YTD	209,600 1,682,600	0.02375	4,978 39,962				
SALT RIVER RECC	Month YTD	47,700 385,200	0.02375	1,133 9,150				
Prepared by Laura Wilson				Page 1 of 2				

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## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

#### August 2013

CO-OP Name/EKPC			KWH	KWH Charge	Revenue
SHELBY ENERGY COOP	Month 13,500 0.02375	0.02375	321		
		YTD	108,000		2,568
SOUTH KENTUCKY RECC		Month .	18,600	0.02375	442
		YTD	148,800		3,536
EKPC Subtotals		Month	388,100	0.02375	9,219
		YTD	3,110,000		73,882
	Totals	Month	388,100	0.02375	9,219
		YTD	3,110,000		73,882

CO-OP Name		кw	DLC Demand Charge	DLC Credit	DLC Demand Surcharge	Total Revenue
BIG SANDY RECC			<del> </del>		<del></del>	
	Month	0	0	-1,043	-164	-1,207
		0	0	-2,743	-461	-3,204
BLUE GRASS ENERGY						40.000
	Month	0	0	-9,210	-1,452	-10,662
CLARK ENERGY COOP		0	0	-26,818	-4,539	-31,357
CLARK ENERGY COOP	Month	0	0	-1,019	-161	-1,180
	MOUTH	0	0	-1,019 -2,933	-161 -497	-3,430
CUMBERLAND VALLEY ELECTRIC			<del></del>	-2,000	<del></del>	
	Month	0	0	-1,104	-174	-1,278
		0	0	-3,226	-546	-3,772
FARMERS RECC					· · ·	<del>-</del> .
	Month	0	0	-3,668	-578	-4,246
		0	0	-10,374	-1,752	-12,126
FLEMING MASON RECC			· · · · · · · · · · · · · · · · · · ·			
	Month	0	0	0	0	0
AN IVANUE PER A		0	0	0	0	0
GRAYSON RECC	8.6	•	•			4 222
	Month	0 0	0 0	-1,151 2,752	182	-1,333
INTER-COUNTY ECC				-2,753	<del>-463</del>	-3,216 
	Month	0	0	-4,409	-695	-5,104
	***************************************	0	0	-12,298	-2,076	-14,374
JACKSON ENERGY COOP	<del></del>		<del></del> _			
	Month	0	0	-1,471	-232	-1,703
		0	0	-4,415	-749	-5,164
LICKING VALLEY RECC			<del></del>			
	Month	0	0	-507	-80	-587
		0	0	-986	-163	-1,149
NOLIN RECC	• • • • • • • • • • • • • • • • • • • •		_			
	Month	0	0	-3,840	-606	-4,446
		0	0	-11,338	-1,921	-13,259

CO-OP Name		KW	DLC Demand Charge	DLC Credit	DLC Demand Surcharge	Total Revenue
OWEN EC			<del>, , , , , , , , , , , , , , , , , , , </del>			
	Month	0	0	-10,706	-1,688	-12,394
		0	o	-29,886	-5,041	-34,927
SALT RIVER RECC					<del></del>	
	Month	0	0	-4,100	-647	-4,747
		0	0	-11,768	-1,991	-13,759
SHELBY ENERGY COOP		<del></del>		<del></del>	<del></del>	
	Month	0	0	-960	-151	-1,111
		0	0	-1,744	-286	-2,030
SOUTH KENTUCKY RECC	<del></del> _	<del>_</del>				
	Month	0	0	-6,599	-1,041	-7,640
		0	0	-18,367	-3,099	-21,466
TAYLOR COUNTY RECC						
	Month	0	0	-320	-50	-370
		0	0	-937	-158	-1,095
	Month	0	0	-50,107	-7,901	-58,008
Totals:	YTD	0	0 -	-140,586	-23,742	-164,328

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

				Base		Fuel		Surcharge	<del></del>
CO-OP Name/EKPC		kw	KWH	Mills/KWH	Fuel Charge	Mills/KWH	Surcharge	Mills/KWH	Revenue
BIG SANDY RECC	Month	43,264	16,856,899	66.81	-36,075	64.67	168,863	74.69	1,259,013
	YTD	443,835	190,011,027	64.48	-70,842	64.10	1,823,040	73.70	14,003,459
BLUE GRASS ENERGY	Month	235,500	97,125,863	64.08	-207,850	61.94	931,825	71.53	6,947,473
	YTD	2,242,240	1,000,638,576	62.90	-370,118	62.53	9,393,500	71.92	71,963,977
CLARK ENERGY COOP	Month	79,557	29,923,164	68.20	-64,035	66.06	306,195	76.29	2,282,927
	YTD	786,363	332,251,555	65.31	-124,563	64.93	3,232,005	74.66	24,806,471
CUMBERLAND VALLEY ELECTRIC	Month	81,149	33,176,560	66.39	-70,997	64.25	330,165	74.20	2,461,639
	YTD	820,135	361,706,012	64.29	-127,931	63.94	3,460,868	73.50	26,586,979
FARMERS RECC	Month	87,478	38,638,991	64.02	-82,689	61.88	370,360	71.46	2,761,314
	YTD	814,773	387,872,021	62.39	-144,643	62.01	3,622,756	71.35	27,676,133
FLEMING MASON RECC	Month	155,946	64,921,069	59.83	-138,903	57.69	580,103	66.63	4,325,370
	YTD	1,472,400	646,228,258	59.16	-205,597	58.84	5,709,319	67.68	43,735,557
GRAYSON RECC	Month	47,109	18,161,664	67.07	-38,856	64.93	182,654	74.98	1,361,826
	YTD	455,543	199,210,607	64.32	-73,582	63.95	1,909,409	73.54	14,649,221
NTER-COUNTY ECC	Month	81,794	30,961,869	66.77	-66,054	64.64	309,994	74.65	2,311,262
	YTD	824,142	342,024,288	64.42	-130,405	64.04	3,273,434	73.61	25,176,855
JACKSON ENERGY COOP	Month	155,626	63,499,630	65.85	-135,890	63.71	626,648	73.58	4,672,168
	YTD	1,602,158	699,754,376	63.99	-261,122	63.61	6,653,999	73.12	51,168,189
LICKING VALLEY RECC	Month	46,887	18,064,440	67.25	-38,656	65.11	182,180	75.19	1,358,296
	YTD	461,248	200,592,362	64.46	-73,962	64.09	1,925,186	73.69	14,781,265
NOLIN RECC	Month	140,573	59,559,652	63.09	-127,460	60.95	562,266	70.39	4,192,133
	YTD	1,308,192	595,066,286	61.79	-217,849	61.43	5,491,805	70.65	42,044,094
OWEN EC	Month	404,582	173,436,454	55.84	-371,030	53.71	1,442,819	62.02	10,757,344
	YTD	3,521,673	1,716,812,246	54.24	-551,500	53.92	13,886,262	62.01	106,454,660
SALT RIVER RECC	Month	222,730	88,950,644	65.39	-190,355	63.25	871,496	73.05	6,497,669
	YTD	1,917,879	870,534,123	63.02	-328,133	62.65	8,236,198	72.11	62,773,392
SHELBY ENERGY COOP	Month	82,682	35,724,404	62.93	-76,451	60.79	336,091	70.19	2,507,608
	YTD	754,919	358,702,310	61.30	-123,862	60,95	3,286,850	70.11	25,150,075
SOUTH KENTUCKY RECC	Month	217,829	91,600,676	65.00	-195,818	62.87	892,007	72.60	6,650,628
	YTD	2,247,773	977,697,560	63.80	-362,105	63.43	9,278,615	72.92	71,290,708
TAYLOR COUNTY RECC	Month	95,450	34,921,171	65.85	-74,263	63.72	344,117	73.58	2,569,367
	YTD	926,151	361,573,451	64.20	-135,700	63.83	3,458,977	73.39	26,537,589
CO-OP Subtotals	Month	2.178.156	895,523,150	62,97	-1.915,382	60.83	8,437,783	70.26	62,916,037
	YTD	20,599,424	9,240,675,058	61.41	-3,301,914	61.05	84,642,223	70.21	648,798,624

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## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

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CO-OP Name/EKPC			KW .	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam		Month	34,672	19,497,158	46.23	-41,348	44.11	142,900	51.44	1,002,934
		YTD	_340,085	188,724,268	48.72	-52,026	48.44	1,385,748	55.78	10,527,485
Totals		Month	2,212,828	915,020,308	62.62	-1,956,730	60.48	8,580,683	69.86	63,918,971
		YTD	20,939,509	9,429,399,326	61.15	-3,353,940	60.80	86,027,971	69.92	659,326,109
Bumside		Month	52	25,854	60.92	-55	58.79	235	67.88	1,755
		YTD	1,106	503,650	62.36	-196	61.97	4,461	70.83	35,673
East Ky Office		Month	831	508,005	57.92	-1,087	55.78	4,389	64.42	32,728
•		YTD	8,526	5,123,871	58.12	-1,630	. 57.81	44,314	66.45	340,504
Smith Contruction		Month	72	43,215	58.17	-92	56.05	375	64.72	2,797
		YTD	757	409,153	59.60	-141	59.26	3,629	68.13	27,874
EKPC Subtotals		Month	955	577,074	58.08	-1,234	55.94	4,999	64.60	37,280
		YTD	10,389	6,036,674	58.58	-1,967	58.25	52,404	66.93	404,051
	Totals	Month	2,213,783	915,597,382	62.61	-1,957,964	60.47	8,585,682	69.85	63,956,251
		YTD	20,949,898	9,435,436,000	61.15	-3,355,907	60.80	86,080,375	69.92	659,730,160

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

				September 2013
CO-OP Name/EKPC		кwн	KWH Charge	Revenue
BIG SANDY RECC	Month YTD	5,800 52,200	0.02375	138 1,242
BLUE GRASS ENERGY	Month YTD	22,900 203,200	0.02375	544 4,828
CLARK ENERGY COOP	Month YTD	3,200 23,700	0.02375	76 562
CUMBERLAND VALLEY ELECTRIC	Month YTD	2,300 20,900	0.02375	55 499
FARMERS RECC	Month YTD	1,700 16,500	0.02375	40 390
FLEMING MASON RECC	Month YTD	3,100 27,900	0.02375	74 666
GRAYSON RECC	Month YTD	7,400 66,600	0.02375	176 1,584
INTER-COUNTY ECC	Month YTD	5,400 48,900	0.02375	128 1,161
JACKSON ENERGY COOP	Month YTD	14,000 128,200	0.02375	333 3,048
LICKING VALLEY RECC	Month YTD	3,400 30,600	0.02375	81 729
NOLIN RECC	Month YTD	29,200 265,100	0.02375	694 6,296
OWEN EC	Month YTD	208,700 1,891,300	0.02375	4,957 T. 44,919 69

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

CO-OP Name/EKPC			кwн	KWH Charge	Revenue
SALT RIVER RECC		Month	47,500	0.02375	1,128
		YTD	432,700		10,278
SHELBY ENERGY COOP		Month	13,500	0.02375	321
		YTD	121,500		2,889
SOUTH KENTUCKY RECC		Month	18,600	0.02375	442
		YTD	167,400		3,978
EKPC Subtotals		Month	386,700	0.02375	9,187
		YTD	3,496,700		83,069
	Totals	Month	386,700	0.02375	9,187
		YTD	3,496,700		83,069

CO-OP Name		KW	DLC Demand Charge	DLC Credit	DLC Demand Surcharge	Total Revenu
SIG SANDY RECC	-		-			
	Month	0	0	-1,173	-182	-1,355
		0	0	-3,916	-643	<b>-4,559</b>
BLUE GRASS ENERGY	A4 mate	•	_			-11,140
	Month	0 0	0 0	-9,646 -36,464	-1,494 -6,033	
CLARK ENERGY COOP	<del></del>			-30,464	-0,033	-42,497 
	Month	0	0	-1,027	-159	-1,186
	****	0	0	-3,960	-656	-4,616
CUMBERLAND VALLEY ELECTRIC	<del></del>			<del></del>		
	Month	0	0	-1,157	-179	-1,336
·		0	0	-4,383	<i>-</i> 725	-5,108
ARMERS RECC				<del></del>	<del></del>	
	Month	0	0	-3,757	-582	-4,339
		0	0	-14,131	-2,334	-16,465
LEMING MASON RECC		_	_			
	Month	0	0	0	0	0
GRAYSON RECC			0	0	0	0
SIGNICONTICOS	Month	0	0	-1,351	-209	-1,560
	WOUL	0	0	-4,104	-672	-4,776
NTER-COUNTY ECC						
	Month	0	0	-4,414	-684	-5,098
		0	0	-16,712	-2,760	-19,472
JACKSON ENERGY COOP				-	<del></del>	
	Month	0	0	-1,479	-229	-1,708
		0	0	-5,894	-978	-6,872
ICKING VALLEY RECC		- <del> </del>				
	Month	0	0	-733	-114	-847
NOLIN RECC		0	0	-1,719	-277	-1,996 
TOLIT ILLO	Month	0	0	-3,873	-600	-4,473
	MOILLI	0	0	-5,673 -15,211	-500 -2,521	-17,732

CO-OP Name		KW	<b>DLC Demand Charge</b>	DLC Credit	<b>DLC Demand Surcharge</b>	Total Revenue
OWEN EC			<del></del>	<del></del>		
	Month	0	0	-10,891	-1,687	-12,578
		0	0	-40,777	-6,728	-47,505
SALT RIVER RECC				<del></del>		
	Month	0	0	-4,311	-668	-4,979
		0	0	-16,079	-2,659	-18,738
SHELBY ENERGY COOP			<del></del>	,	<del></del>	
	Month	0	0	-1,401	-217	-1,618
		0	0	-3,145	-503	-3,648
SOUTH KENTUCKY RECC						
	Month	0	0	-6,660	-1,032	-7,692
		0	0	-25,027	-4,131	-29,158
TAYLOR COUNTY RECC						
	Month	0	0	-323	-50	<b>-373</b>
		0	0	-1,260	-208	-1,468
	Month	0	0	-52,196	-8,086	-60,282
Totals:	YTD	0	0	-192,782	-31,828	-224,610

### EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

2013

								October	
CO-OP Name/EKPC		ĸw	кwн	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	38,314	17,787,999	63.07	-58,878	59.76	158,697	68.68	1,221,636
	YTD	482,149	207,799,026	64.36	-129,720	63.73	1,981,737	73.27	15,225,095
BLUE GRASS ENERGY	Month	209,765	95,129,864	61.86	-314,881	58.55	831,651	67.30	6,401,973
	YTD	2,452,005	1,095,768,440	62.81	-684,999	62.19	10,225,151	71.52	78,365,950
CLARK ENERGY COOP	Month	71,584	30,502,890	65.07	-100,965	61.76	281,258	70.98	2,165,102
	YTD	857,947	362,754,445	65.29	-225,528	64.67	3,513,263	74.35	26,971,573
CUMBERLAND VALLEY ELECTRIC	Month	76,562	34,160,160	63.82	-113,069	60.51	308,600	69.54	2,375,568
	YTD	896,697	395,866,172	64.25	-241,000	63.64	3,769,468	73.16	28,962,547
FARMERS RECC	Month	83,875	37,049,078	63.00	-122,631	59.69	330,184	68.60	2,541,732
	YTD	898,648	424,921,099	62,44	-267,274	61.81	3,952,940	71.11	30,217,865
FLEMING MASON RECC	Month	145,714	64,577,934	58.60	-213,709	55.29	533,028	63.54	4,103,464
	YTD	1,618,114	710,806,192	59.11	-419,306	58.52	6,242,347	67.30	47,839,021
SRAYSON RECC	Month	38,294	18,822,529	62.51	-62,265	59.20	166,370	68.04	1,280,710
	YTD	493,837	218,033,136	64.16	-135,847	63.54	2,075,779	73.06	15,929,931
NTER-COUNTY ECC	Month	79,589	31,153,571	65.08	-102,664	61.79	287,395	71.01	2,212,352
	YTD	903,731	373,177,859	64.48	-233,069	63.85	3,560,829	73.39	27,389,207
ACKSON ENERGY COOP	Month	155,800	65,288,916	64.28	-216,107	60.97	594,294	70.07	4,574,833
	YTD	1,757,958	765,043,292	64.01	-477,229	63.39	7,248,293	72.86	55,743,022
ICKING VALLEY RECC	Month	41,312	19,161,064	63.26	-63,423	59.95	171,514	68.91	1,320,305
	YTD	502,560	219,753,426	64.36	-137,385	63.73	2,096,700	73.27	16,101,570
NOLIN RECC	Month	128,229	57,635,915	61.26	-190,774	57.95	498,697	66.61	3,838,927
	YTD	1,436,421	652,702,201	61.75	-408,623	61.12	5,990,502	70.30	45,883,021
OWEN EC	Month	335,679	164,632,212	53.10	-544,933	49.79	1,223,734	57.22	9,420,204
	YTD	3,857,352	1,881,444,458	54.14	-1,096,433	53.56	15,109,996	61.59	115,874,864
SALT RIVER RECC	Month	171,721	81,296,714	61.99	-269,093	58.68	712,285	67.45	5,483,103
	YTD	2,089,600	951,830,837	62.94	-597,226	62.31	8,948,483	71.71	68,256,495
SHELBY ENERGY COOP	Month	72,712	35,593,231	60.31	-117,770	57.00	302,913	65.51	2,331,789
	YTD	827,631	394,295,541	61,21	-241,632	60.59	3,589,763	69.70	27,481,864
SOUTH KENTUCKY RECC	Month	233,472	91,687,347	64.94	-303,487	61.63	843,616	70.83	6,494,085
	YTD	2,481,245	1,069,384,907	63.89	-665,592	63.27	10,122,231	72.74	77,784,793
TAYLOR COUNTY RECC	Month	96,714	33,958,276	65.27	-111,712	61.98	313,661	71.21	2,418,256
····	YTD	1,022,865	395,531,727	64.29	-247,412	63.67	3,772,638	73.21	28,955,845
CO-OP Subtotals	Month		878,437,700	60.94		57.63	7,557,897	66.24	
CO-OP Subtotals	YTD	1,979,336	• •	61.37	-2,906,361 -6,208,275	60.75	92,200,120	69.87	58,184,039
	טוץ	22,578,760	10,119,112,758	01.31	-0,200,275	55.15	عد,200,120	10.60	706,982,663

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# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

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CO-OP Name/EKPC			kw	кwн	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam		Month	35,628	18,992,798	46.37	-62,112	43.10	131,549	50.03	950,157
<u> </u>		YTD	375,713	207,717,066	48.50	-114,138	47.95	1,517,297	55.26	11,477,642
Totals	·	Month	2,014,964	897,430,498	60.63	-2,968,473	57.32	7,689,446	65.89	59,134,196
		YTD	22,954,473	10,326,829,824	61.11	-6,322,413	60.50	93,717,417	69.57	718,460,305
Bumside		Month	79	28,884	66.65	-96	63.32	273	72,77	2,102
		YTD	1,185	532,534	62.59	-292	62.04	4,734	70.93	37,775
East Ky Office		Month	867	523,480	58.04	-1,732	54.73	4,277	62.90	32,927
		YTD	9,393	5,647,351	58.12	-3,362	57.52	48,591	66.12	373,431
Smith Contruction		Month	75	41,307	59.31	-137	56.00	345	64.35	2,658
		YTD	832	450,460	59.57	-278	58.96	3,974	67.78	30,532
EKPC Subtotals		Month	1,021	593,671	58.55	-1,965	55.24	4,895	63.48	37,687
		YTD	11,410	6,630,345	58.57	-3,932	57.98	57,299	66.62	441,738
<del></del>	Totals	Month	2,015,985	898,024,169	60.63	-2,970,438	57.32	7,694,341	65.89	59,171,883
		YTD	22,965,883	10,333,460,169	61.11	-6,326,345	60.50	93,774,716	69.57	718,902,043

## EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

CO-OP Name/EKPC		кwн	KWH Charge	Revenue
BIG SANDY RECC	Month YTD	5,800 58,000	0.02375	138 1,380
BLUE GRASS ENERGY	Month YTD	22,900 226,100	0.02375	544 5,372
CLARK ENERGY COOP	Month YTD	3,200 26,900	0.02375	76 638
CUMBERLAND VALLEY ELECTRIC	Month YTD	2,300 23,200	0.02375	55 554
FARMERS RECC	Month YTD	1,700 18,200	0.02375	40 430
FLEMING MASON RECC	Month YTD	3,1 <b>0</b> 0 31,000	0.02375	74 740
GRAYSON RECC	Month YTD	7,400 74,000	0.02375	176 1,760
INTER-COUNTY ECC	Month YTD	5,500 54,400	0.02375	131 1,292
JACKSON ENERGY COOP	Month YTD	14,000 142,200	0.02375	333 3,381
LICKING VALLEY RECC	Month YTD	2,200 32,800	0.02375	52 781
NOLIN RECC	Month YTD	29,200 294,300	0.02375	694 6,990
OWEN EC	Month YTD	208,100 2,099,400	0.02375	4,942 49,861

#### 11/4/13 14:50

# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary

CO-OP Name/EKPC			кwн	KWH Charge	Revenue
SALT RIVER RECC		Month YTD	47,500 480,200	0.02375	1,128 11,406
SHELBY ENERGY COOP		Month YTD	13,500 135,000	0.02375	321 3,210
SOUTH KENTUCKY RECC		Month YTD	18,600 186,000	0.02375	442 4,420
EKPC Subtotals		Month YTD	385,000 3,881,700	0.02375	9,146 92,215
	Totals	Month YTD	385,000 3,881,700	0.02375	9,146 92,215

CO-OP Name		KW	<b>DLC Demand Charge</b>	DLC Credit	DLC Demand Surcharge	Total Revenue
BIG SANDY RECC			<del></del>			
	Month	0	0	-1,166	-174	-1,340
		0	0	-5,082	-817	-5,899
BLUE GRASS ENERGY						
	Month	0	0	-10,973	-1,638	-12,611
CLARK ENERGY COOP		0		-47,437	-7,671	-55,108
CLARK ENERGY COOP	9.6 mile	•	•	4.007	470	-1,180
•	Month	0 0	0 0	-1,027 -4,987	-153 -809	
CUMBERLAND VALLEY ELECTRIC		<u>·</u>		-4,901		-5,796 
SOMBERENTE VALLET ELECTRIC	Month	0	0	-1,163	-174	-1,337
	Wolfer	0	0	-5,546	-899	-6,445
FARMERS RECC						
	Month	0	0	-3,820	-570	-4,390
		0	0	-17,951	-2,904	-20,855
FLEMING MASON RECC						
	Month	0	0	0	0	0
		0	0	0	0	0
GRAYSON RECC						
	Month	0	0	-1,400	-209	-1,609
IUTEO AALININ/EAA			0	-5,504	-881 	-6,385
INTER-COUNTY ECC	9.6	_	•			-5,101
	Month	0 0	0 0	-4,438 24,450	-663 3.403	
JACKSON ENERGY COOP				-21,150	-3,423	-24,573
and the content of th	Month	0	0	-1,502	-224	-1,726
	***************************************	0	0	-7,396	-1,202	-8,598
LICKING VALLEY RECC		<del></del>				
	Month	0	0	<b>-758</b>	-113	-871
		0	0	-2,477	-390	-2,867
NOLIN RECC				<del></del>		
	Month	0	0	-3,893	-581	-4,474
		0	0	-19,104	-3,102	-22,206

CO-OP Name		кW	DLC Demand Charge	DLC Credit	DLC Demand Surcharge	Total Revenue
OWEN EC						
	Month	0	0	-11,031	-1,647	-12,678
		0	0	-51,808	-8,375	-60,183
SALT RIVER RECC			<del></del>			
	Month	0	0	-4,388	-655	-5,043
		0	0	-20,467	-3,314	-23,781
SHELBY ENERGY COOP		·····	<del></del>		<del></del>	
	Month	0	0	-2,105	-314	-2,419
		0	0	-5,250	-817	-6,067
SOUTH KENTUCKY RECC					<del></del>	
	Month	0	0	-6,649	-993	-7,642
		0	0	-31,676	-5,124	-36,800
TAYLOR COUNTY RECC						
	Month	0	0	-335	-50	-385
		0	0	-1,595	-258	-1,853
	Month	0	0	-54,648	-8,158	-62,806
Totals:	YTD	0	0	-247,430	-39,986	-287,416



### Company EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE

Month Ended MAY 2013

<u>Company</u> <u>Sales</u>	Type of Transaction	<u>кwн</u>	Demand (\$)	Fuel Charges (\$)	Margin(+) or Loss (-)	Total Charges (\$)
PJM	Non-Displacement	19,476,000		591,676	268,853	860,529
TOTAL		<u>19.476.000</u>	Q	<u>591.676</u>	<u> 268,853</u>	<u>860.529</u>



Company

### EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE

Revised 7/24/13

Month Ended JUNE 2013

<u>Company</u> <u>Sales</u>	Type of Transaction	<u>кwн</u>	Demand (\$)	Fuel Charges (\$)	Margin(+) or Loss (-)	Total Charges (\$)
Duke Energy PJM	Capacity Non-Displacement	25,975,000	8,400	1,028,778	2,595,909	8,400 3,624,687
TOTAL		<u> 25,975,000</u>	<u>8,400</u>	<u>1,028,778</u>	<u>2,595,909</u>	<u>3,633,087</u>



### Company EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE

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Month Ended JULY 2013

Revised 9/11/13

Company Sales	Type of Transaction	<u>кwн</u>	Demand (\$)	Fuel Charges (\$)	Margin(+) or Loss (-)	Total Charges (\$)
Cargill Power Duke Energy PJM	Non-Displacement Capacity Non-Displacement	16,000,000 54,631,000	8,400	697,368 2,334,798	110,632 1,439,037	808,000 8,400 3,773,835
TOTAL		<u>70,631,000</u>	<u>8,400</u>	<u>3.032,166</u>	<u>1,549,669</u>	<u>4,590,235</u>



Company

### EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE

Month Ended

AUGUST 2013

<u>Company</u> <u>Sales</u>	Type of Transaction	<u>KW</u>	<u>KWH</u>	Demand (\$)	Fuel Charges (\$)	Margin(+) or Loss (-)	Total Charges (\$)
Duke Energy PJM PJM	Capacity Capacity Non-Displacement	10,881	9,162,000	8,680 131,596	- 345,055	- 140,746	8,680 131,596 485,801
TOTAL		<u>10,881</u>	<u>9,162,000</u>	<u>140,276</u>	<u>345,055</u>	<u>140,746</u>	<u>626,077</u>



#### Company

### EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE

Month Ended SEPTEMBER 2013

Company Sales	Type of Transaction	<u>kw</u>	<u>KWH</u>	Demand (\$)	Fuel Charges (\$)	Margin(+) or Loss (-)	Total Charges (\$)
Duke Energy PJM PJM	Capacity Capacity Non-Displacement	10,530	23,745,000	8,400 42,648	- 900,443	280 89,954	8,680 42,648 990,397
TOTAL		<u>10,530</u>	<u>23,745,000</u>	<u>51,048</u>	<u>900,443</u>	<u>90,234</u>	<u>1,041,725</u>



Company

## EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE

Month Ended OCTOBER 2013

**Billing Components** 

<u>Company</u> <u>Sales</u>	Type of Transaction	<u>KW</u>	<u>KWH</u>	Demand (\$)	Fuel Charges (\$)	Margin(+) or Loss (-)	Total Charges (\$)
Duke Energy PJM PJM	Capacity Capacity Non-Displacement	10,881	20,067,000	8,680 44,069	- 648,634	- 151,733	8,680 42,648 800,367
TOTAL		<u>10.881</u>	<u>20,067,000</u>	<u>52,749</u>	<u>648,634</u>	<u>151,733</u>	<u>851,695</u>

•		

## EAST KENTUCKY POWER COOPERATIVE, INC.

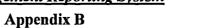
# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 7

RESPONSIBLE PARTY: Craig A. Johnson

Request 7. List East Kentucky's scheduled, actual, and forced outages from May 1, 2013 through October 31, 2013.

**Response 7.** See attached pages 2 through 52 of this response.



From: May 1, 2013

thru October 31, 2013

East Kentucky Power

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#### **Dale Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	A Hours	ctual Minutes	Cause or Reason
05/03/2013	0145	0.0	Scheduled	Maintenance	14	49	PARTICULATE STACK EMISSIONS - FOSSIL STEAM UNITS - PARTICULATE MATTER TESTING.



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#### **Dale Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	A Hours	ctual Minutes	Cause or Reason
05/01/2013	0131	0.0	Scheduled	Maintenance	14	23	PARTICULATE STACK EMISSIONS - FOSSIL STEAM UNITS - PARTICULATE MATTER TESTING.

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## **Cooper Power Station**

Data	Time Off/On	Available MW	Forced or Scheduled	Ctatus	i	ctual	Cause or Reason
Date	Oll/Oll	IVI W	Scheduled	Status	Hours	Minutes	Cause of Reason
05/05/2013	2340	0.0	Scheduled	Maintenance	100	59	STACK INSPECTION.
07/15/2013	1637	0.0	Forced	Maintenance	12	15	OTHER EXCITER PROBLEMS - LOSS OF GENERATOR FIELD EXCITATION.
09/13/2013	0047	0.0	Scheduled	Maintenance	431	13	PLANNED OUTAGE - FALL.
10/01/2013	0000	0.0	Scheduled	Maintenance	102	55	PLANNED OUTAGE - FALL.
10/05/2013	0655	0.0	Forced	Failed Start	58	36	TURBINE MAIN STOP VALVES STUCK OPEN.
10/11/2013	0028	0.0	Forced	Maintenance	13	14	WATERWALL (FURNACE WALL) LEAK REPAIRED.

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## **Cooper Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	A Hours	ctual Minutes	Cause or Reason
Date	Olivon	141 44	Benedated	Status	nours	Minutes	Cause of Reason
05/01/2013	0000	0.0	Scheduled	Maintenance	233	25	SPRING OUTAGE.
05/12/2013	1755	0.0	Forced	Maintenance	15	53	GENERATOR CURRENT AND POTENTIAL
							TRANSFORMER / GROUNED WIRES IN
•							JUNCTION BOX.
05/16/2013	0018	0.0	Forced	Maintenance	23	11	GENERATOR CURRENT AND POTENTIAL
					İ		TRANSFORMER / REPAIRED GROUNDED
							WIRES IN JUNCTION BOX.
05/17/2013	0915	0.0	Forced	Maintenance	78	41	WATERWALL (FURNACE WALL) LEAKS.
05/22/2013	1137	0.0	Forced	Maintenance	3	2	CIRCULATING WATER VALVES - FAILED
							TO OPEN.
05/22/2013	1821	0.0	Forced	Maintenance	1	31	CONDENSER GASKETS AND SEALS / AIR
							INLEAKAGE.
09/11/2013	1155	0.0	Scheduled	Maintenance	27	35	PLANNED OUTAGE DURING UNIT 1
					İ		OPACITY INDICATOR TESTING DUE TO
							THE COMMON STACK.
09/20/2013	1653	0.0	Forced	Maintenance	1	45	INDUCED DRAFT FAN CONTROLS.

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## **Spurlock Power Station**

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/01/2013	0000	0.0	Scheduled	Maintenance	673	22	MAJOR TURBINE OVERHAUL FOR 720
	•						HOURS OR LONGER.
05/29/2013	0213	0.0	Forced	Maintenance	10	34	VIBRATION OF THE TURBINE
		1			1		GENERATOR UNIT - NOT ATTRIBUTED TO
							A SPECIFIC CAUSE.
05/29/2013	1552	0.0	Forced	Maintenance	38	39	VIBRATION OF THE TURBINE
							GENERATOR UNIT - NOT ATTRIBUTED TO A SPECIFIC CAUSE.
06/06/2013	2240	0.0	Forced	Maintenance	1	26	OTHER VOLTAGE PROTECTION DEVICES.
07/03/2013	1751	0.0	Forced	Maintenance	1 6	50	VIBRATION OF THE TURBINE
07/03/2013	1/31	0.0	roiced	Wantenance	"	30	GENERATOR UNIT - NOT ATTRIBUTED TO
					1		A SPECIFIC CAUSE.
07/14/2013	0027	0.0	Scheduled	Maintenance	7	33	AIR HEATER (REGENERATIVE).
08/13/2013	0127	0.0	Scheduled	Maintenance	37	23	PRIMARY AIR DUCTS AND DAMPERS.
08/20/2013	1028	0.0	Forced	Maintenance	1	53	OTHER FEEDWATER BOOSTER PUMP
					1		PROBLEMS.
08/20/2013	1222	0.0	Forced	Maintenance	3	33	HIGH TURBINE VIBRATION.
09/27/2013	2309	0.0	Scheduled	Maintenance	72	51	TURBINE INSPECTION.
10/01/2013	0000	0.0	Scheduled	Maintenance	63	0	TURBINE INSPECTION.
10/29/2013	0827	0.0	Forced	Maintenance	10	31	EXTERNAL (NOT OMC) SWITCHYARD
				Í			SYSTEM PROTECTION DEVICES –
				1	Ì		EXTERNAL (OMC).
10/29/2013	2001	0.0	Forced	Maintenance	3	16	PROTECTION DEVICES.





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## **Spurlock Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	A Hours	ctual Minutes	Cause or Reason
08/24/2013	2231	0.0	Forced	Maintenance	71	24	SUPERHEATER LEAKS.
08/28/2013	1219	0.0	Forced	Maintenance	1		INDUCED DRAFT FAN PROBLEMS.

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## **Spurlock Power Station**

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/01/2013	0000	0.0	Scheduled	Maintenance	55	23	REPLACE BED NOZZLES.
06/07/2013	1819	0.0	Forced	Maintenance	103	51	FLUIDIZED BED ASH COOLER TUBE LEAK.
06/14/2013	1108	0.0	Forced	Maintenance	46	45	FLUIDIZED BED ASH COOLER PLUGGAGE.
06/30/2013	0315	0.0	Forced	Maintenance	20	45	ELECTRICAL HYDRAULIC CONTROL
							SUPPLY LINE LEAK ON CONTROL VALVES.
07/01/2013	0000	0.0	Forced	Maintenance	154	6	ELECTRICAL HYDRAULIC CONTROL
							SUPPLY LINE LEAK ON CONTROL VALVES.
07/28/2013	1422	0.0	Forced	Maintenance	0	30	PRIMARY AIR FLOW INSTRUMENTATION.
08/10/2013	0150	0.0	Forced	Maintenance	52	26	BOTTOM ASH SYSTEMS (WET OR DRY).
08/20/2013	0745	0.0	Forced	Maintenance	0	23	PRIMARY AIR DUCTS AND DAMPERS.
08/20/2013	2132	0.0	Forced	Maintenance	17	17	BOTTOM ASH SYSTEMS (WET OR DRY).
09/20/2013	2252	0.0	Scheduled	Maintenance	165	53	BOTTOM ASH SYSTEMS (WET OR DRY).
10/06/2013	0222	0.0	Forced	Maintenance	109	18	BOTTOM ASH SYSTEMS (WET OR DRY).
10/24/2013	1933	0.0	Forced	Maintenance	22	36	BOTTOM ASH SYSTEMS (WET OR DRY).
10/24/2013	1933	0.0	Forced	Maintenance	22	36	BOTTOM ASH SYSTEMS (WET OR DRY).

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## **Spurlock Power Station**

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/01/2013	0000	0.0	Scheduled	Maintenance	471	6	AIR HEATER REGENERATIVE DIAPHRAMS NEED TO BE REPLACED.
10/11/2013	2250	0.0	Scheduled	Maintenance	207	8	PRIMARY AIR FAN PROBLEMS.
10/26/2013	0533	0.0	Forced	Maintenance	6	19	SLAG AND ASH REMOVAL PROBLEMS.



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## J.K. Smith

	Time	Available	Forced or		Α	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/06/2013	1420	0.0	Scheduled	Maintenance	5	10	GT BORESCOPE INSPECTION-THIRD STAGE TURBINE BLADE(EDDY CURRENT TESTING).
05/20/2013	0700	0.0	Scheduled	Maintenance	103	36	GT FUEL NOZZLES / VANES - BURNER INSPECTION.
06/09/2013	0800	0.0	Scheduled	Maintenance	3	40	CEMS CERTIFICATION AND RECERTIFICATION - PREPARE FOR TESTING.
07/15/2013	2214	0.0	Forced	Maintenance	5	53	BLOW OFF VALVE FAILED.
07/29/2013	0613	0.0	Scheduled	Maintenance	4	52	GT BORESCOPE INSPECTION - THIRD STAGE TURBINE BLADE (EDDY CURRENT TESTING).
10/01/2013	0715	0.0	Scheduled	Maintenance	2	15	NOX WATER TURBINE FLOW METER REPLACEMENT.

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## J.K. Smith

	Time	Available	Forced or		Α	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/07/2013	0700	0.0	Scheduled	Maintenance	6	30	GT BORESCOPE INSPECTION - THIRD STAGE TURBINE BLADE (EDDY CURRENT TESTING).
05/07/2013	1330	0.0	Forced	Maintenance	24	4	GENERATOR SYNCHRONIZATION EQUIPMENT-THREE WAY SWITCH FAILED.
06/09/2013	1200	0.0	Scheduled	Maintenance	1	50	CEMS CERTIFICATION AND RECERTIFICATION - PREPARE FOR TESTING.
07/17/2013	1321	0.0	Forced	Maintenance	0	2	CONTROLS AND INSTRUMENTATION - MW SETPOINT WENT TO ZERO ON CONTROLS.
07/30/2013	0600	0.0	Scheduled	Maintenance	5	30	GT BORESCOPE INSPECTION - THIRD STAGE TURBINE BLADE (EDDY CURRENT TESTING).
10/28/2013	0800	0.0	Scheduled	Maintenance	88	0	PLANNED OUTAGE A - INSPECTION (COMBUSTOR).



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## J.K. Smith

Date	Time Off/On	Available MW	Forced or Scheduled	Status	A Hours	ctual Minutes	Cause or Reason
					110013		
05/06/2013	0700	0.0	Scheduled	Maintenance	7	20	GT BORESCOPE INSPECTION - THIRD STAGE TURBINE BLADE (EDDY CURRENT TESTING).
07/31/2013	0600	0.0	Scheduled	Maintenance	4	0	GT BORESCOPE INSPECTION - THIRD STAGE TURBINE BLADE (EDDY CURRENT TESTING).
09/23/2013	0800	0.0	Scheduled	Maintenance	9	14	GENERATOR START UP TRANSFORMER TESTING.



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## J.K. Smith

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/13/2013	0825	0.0	Scheduled	Maintenance	6	23	GT FUEL PIPING AND VALVES - CHANGED
		<u> </u>			{		VALVE OUT IN TEXAS EASTERN YARD.
06/15/2013	0720	0.0	Scheduled	Maintenance	1	45	CEMS CERTIFICATION AND
		<b>.</b>			ł		RECERTIFICATION - PREPARE FOR
					l		TESTING.
06/17/2013	1404	0.0	Forced	Maintenance	0	29	GT COOLING AND SEAL AIR SYSTEM -
					ŀ		BLOWER TRIP.
08/20/2013	1403	0.0	Forced	Maintenance	1	41	IGNITOR FAILURE.
09/09/2013	1649	0.0	Forced	Maintenance	10	56	COMPRESSOR BLEED VALVE FAILURE VA
				ł	ł		2-I.
09/16/2013	0700	0.0	Scheduled	Maintenance	31	45	PLANNED OUTAGE - BOROSCOPE
				i	1		INSPECTION.
					l		INSTECTION.

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## J.K. Smith

Date	Time Off/On	Available MW	Forced or Scheduled	Status	A Hours	ctual Minutes	Cause or Reason
05/13/2013	0825	0.0	Scheduled	Maintenance	6	23	GT FUEL PIPING AND VALVES - CHANGED VALVE OUT IN TEXAS EASTERN YARD.
06/15/2013	1052	0.0	Scheduled	Maintenance	1	18	CEMS CERTIFICATION AND RECERTIFICATION - PREPARE FOR
09/18/2013	0700	0.0	Scheduled	Maintenance	31	32	TESTING.  MAINTENANCE OUTAGE - BORESCOPE INSPECTION.

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## J.K. Smith

-	Time	Available	Forced or	<b>.</b>		ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/13/2013	0825	0.0	Scheduled	Maintenance	6	23	GT FUEL PIPING AND VALVES - CHANGED VALVE OUT IN TEXAS EASTERN YARD.
06/15/2013	1324	0.0	Scheduled	Maintenance	1	33	CEMS CERTIFICATION AND RECERTIFICATION - PREPARE FOR TESTING.
08/08/2013	1206	0.0	Forced	Maintenance	0	39	HIGH GAS PRESSURE.
08/08/2013	1320	0.0	Forced	Maintenance	4	10	HIGH GAS PRESSURE - GAS STRAINER STOPPED UP.
08/09/2013	1136	0.0	Forced	Maintenance	0	57	FINAL FUEL SEPARATOR LEVEL TRIP.

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## J.K. Smith

	Time	Available	Forced or			ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/01/2013	0000	0.0	Scheduled	Maintenance	35	21	COMBUSTION INSPECTION.
05/02/2013	1232	0.0	Scheduled	Maintenance	195	21	GAS TURBINE HOT END INSPECTION -
				Į			COMBUSTION INSPECTION.
05/10/2013	1624	0.0	Scheduled	Maintenance	25	26	GAS TURBINE HOT END INSPECTION -
							COMBUSTION INSPECTION.
05/11/2013	1823	0.0	Scheduled	Maintenance	5	38	GAS TURBINE HOT END INSPECTION -
				}			COMBUSTION INSPECTION.
05/12/2013	0001	0.0	Forced	Maintenance	110	11	NOX STACK EMISSIONS - GAS TURBINE
			,				UNITS - NOT MEETING EMISSIONS LIMITS.
05/16/2013	1458	0.0	Forced	Maintenance	195	20	NOX STACK EMISSIONS - GAS TURBINE
							UNITS - NOT MEETING EMISSIONS LIMITS.
05/24/2013	1850	0.0	Forced	Maintenance	117	6	NOX STACK EMISSIONS - GAS TURBINE
							UNITS - NOT MEETING EMISSIONS LIMITS.
05/29/2013	1640	0.0	Forced	Maintenance	44	9	NOX STACK EMISSIONS - GAS TURBINE
							UNITS - NOT MEETING EMISSIONS LIMITS.
06/10/2013	0800	0.0	Scheduled	Maintenance	5	25	CEMS CERTIFICATION AND
							RECERTIFICATION - PREPARE FOR
							TESTING.
06/13/2013	1120	0.0	Forced	Maintenance	6	10	LIGHTNING - LIGHTNING STRIKE TRIPPED
							THE UNIT.
08/08/2013	1206	0.0	Forced	Maintenance	0	39	HIGH GAS PRESSURE.
08/08/2013	1255	0.0	Forced	Maintenance	4	35	HIGH GAS PRESSURE - GAS STRAINER
					1	'	STOPPED UP.
08/12/2013	1354	0.0	Forced	Maintenance	0	32	STORM RELATED TRIPPED UNIT.

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## J.K. Smith

Data	Time Off/On	Available MW	Forced or Scheduled	Status		ctual	Course on Person
Date	Oll/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/13/2013	0700	0.0	Scheduled	Maintenance	137	1	CONTROLS AND INSTRUMENTATION -
							GENERATOR PROTECTION UPGRADES.
05/19/2013	0001	0.0	Forced	Maintenance	160	8	GT COMPRESSOR HIGH PRESSURE
							BLADES/BUCKETS- BLADE DAMAGE.
05/25/2013	1610	0.0	Forced	Maintenance	0	52	GT COMPRESSOR HIGH PRESSURE
							BLADES/BUCKETS - BLADE DAMAGE.
06/03/2013	0825	0.0	Forced	Maintenance	7	10	GT BORESCOPE INSPECTION - DUE TO
				-			VIBRATION.
06/05/2013	0600	0.0	Forced	Maintenance	9	30	GT BORESCOPE INSPECTION - DUE TO
							VIBRATION.
08/12/2013	1258	0.0	Forced	Failed Start	23	2	HYDRAULIC PUMP COUPLING FAILURE.
10/14/2013	0700	0.0	Scheduled	Maintenance	329	0	FOREIGN OBJECT DAMAGE SOCK
							REPLACEMENT.
10/28/2013	0000	0.0	Scheduled	Maintenance	96	0	BOOSTER (LOW PRESSURE COMPRESSOR)
[							BLADE AND VANE REPAIR.
					L		<u> </u>

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## J.K. Smith

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/01/2013	0000	0.0	Forced	Maintenance	0	0	GT COMPRESSOR HIGH PRESSURE BLADES/BUCKETS - BLADE DAMAGE.
06/01/2013	0000	0.0	Forced	Maintenance	1464	0	GT COMPRESSOR HIGH PRESSURE
07/01/2013	0000	0.0	Forced	Maintenance	744	0	BLADES/BUCKETS - BLADE DAMAGE. GT COMPRESSOR HIGH PRESSURE
08/01/2013	0000	0.0	Forced	Maintenance	744	0	BLADES/BUCKETS -BLADE DAMAGE. GT COMPRESSOR HIGH PRESSURE
09/01/2013	0000	0.0	Forced	Maintenance	397	31	BLADES/BUCKETS - BLADE DAMAGE. GT COMPRESSOR HIGH PRESSURE
09/17/2013	1433	0.0	Forced	Maintenance	18	36	BLADES/BUCKETS - BLADE DAMAGE. CONTINUE TESTING AND
09/18/2013	1912	0.0	Forced	Maintenance	36	48	COMMISSIONING. CONTINUE TESTING AND
							COMMISSIONING.



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## **Green Valley Landfill**

<b>Unit 001</b>							
	Time	Available	Forced or	l	A	ctual	
Date	Off/On	MW	Scheduled	Status		Minutes	Cause or Reason
05/22/2013	1034	0.0	Forced	Fuel Outage	0	39	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
05/22/2013	1116	0.0	Forced	Fuel Outage	0	26	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/02/2013	0646	0.0	Forced	Fuel Outage	3	41	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/03/2013	0528	0.0	Forced	Fuel Outage	5	52	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/04/2013	0848	0.0	Forced	Maintenance	0	6	ENGINE MAINTENANCE.
06/04/2013	1340	0.0	Forced	Fuel Outage	l o	47	RESERVED SHUTDOWN STATE DUE TO
		:					FUEL SUPPLY.
06/04/2013	1451	0.0	Forced	Fuel Outage	307	53	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/18/2013	0920	0.0	Forced	Fuel Outage	27	51	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/19/2013	1328	0.0	Forced	Fuel Outage	118	18	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/24/2013	1310	0.0	Forced	Fuel Outage	20	6	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/25/2013	0957	0.0	Forced	Maintenance	3	49	ENGINE MAINTENANCE.
06/25/2013	1428	0.0	Forced	Fuel Outage	19	15	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/26/2013	0953	0.0	Forced	Maintenance	4	37	ENGINE MAINTENANCE.
06/26/2013	1517	0.0	Forced	Fuel Outage	19	9	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/27/2013	1059	0.0	Forced	Maintenance	1	3	ENGINE MAINTENANCE.
06/27/2013	1232	0.0	Forced	Fuel Outage	21	11	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/28/2013	1326	0.0	Forced	Fuel Outage	2	1	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
07/03/2013	1518	0.0	Forced	Fuel Outage	287	19	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
07/16/2013	1004	0.0	Forced	Fuel Outage	3	35	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
07/16/2013	1519	0.0	Forced	Fuel Outage	139	56	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
07/23/2013	1100	0.0	Forced	Fuel Outage	205	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/05/2013	1032	0.0	Forced	Fuel Outage	51	47	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/16/2013	0620	0.0	Forced	Fuel Outage	77	29	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/20/2013	1343	0.0	Forced	Fuel Outage	4	16	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/21/2013	1335	0.0	Forced	Fuel Outage	2	2	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/21/2013	1539	0.0	Forced	Fuel Outage	1	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.

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## Green Valley Landfill

<b>Unit 001</b>				<del></del>			
<u> </u>	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
08/22/2013	1153	0.0	Forced	Fuel Outage	0	14	RESERVED SHUTDOWN STATE DUE TO
08/22/2013	1221	0.0	Forced	Fuel Outage	0	28	FUEL SUPPLY. RESERVED SHUTDOWN STATE DUE TO
					}	_	FUEL SUPPLY.
08/26/2013	1238	0.0	Forced	Fuel Outage	] 1	5	RESERVED SHUTDOWN STATE DUE TO
08/28/2013	1221	0.0	Forced	Fuel Outage	83	39	FUEL SUPPLY. RESERVED SHUTDOWN STATE DUE TO
00/20/2015	1221	0.0	101000	1 aci Outage	"	37	FUEL SUPPLY.
09/01/2013	0000	0.0	Forced	Fuel Outage	109	42	RESERVED SHUTDOWN STATE DUE TO
				_	ŀ		FUEL SUPPLY.
09/06/2013	1045	0.0	Scheduled	Maintenance	3	1	SUBSTATION MAINTENANCE.
09/10/2013	1642	0.0	Forced	Maintenance	0	44	ENGINE SHUTDOWN DUE TO
00/10/2015	1507			F 10.	ا .۔	4.5	DETONATION.
09/10/2013	1726	0.0	Forced	Fuel Outage	17	46	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/11/2013	1213	0.0	Forced	Fuel Outage	146	24	RESERVED SHUTDOWN STATE DUE TO
03/11/2013	1213	0.0	1 01000	1 uci Outage	140	24	FUEL SUPPLY.
09/17/2013	1508	0.0	Forced	Fuel Outage	1	41	RESERVED SHUTDOWN STATE DUE TO
		]	*				FUEL SUPPLY.
09/18/2013	1507	0.0	Forced	Fuel Outage	0	36	RESERVED SHUTDOWN STATE DUE TO
					l		FUEL SUPPLY.
09/18/2013	2037	0.0	Forced	Fuel Outage	2	11	RESERVED SHUTDOWN STATE DUE TO
09/20/2013	1443	0.0	Forced	   Maintenance	<u>ر</u> ا	7	FUEL SUPPLY. ELECTRICAL MAINTENANCE.
09/20/2013	1443	0.0	Forced	Fuel Outage	0 83	11	RESERVED SHUTDOWN STATE DUE TO
09/20/2013	1430	0.0	rorcea	Fuel Oulage	83	11	FUEL SUPPLY.
09/24/2013	1123	0.0	Forced	Maintenance	l 0	36	ELECTRICAL MAINTENANCE.
09/24/2013	1159	0.0	Forced	Fuel Outage	24	45	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/25/2013	1341	0.0	Forced	Fuel Outage	130	19	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
10/01/2013	0000	0.0	Forced	Fuel Outage	81	22	RESERVED SHUTDOWN STATE DUE TO
10/00/2012	1007		Farmed	Evol Outors		49	FUEL SUPPLY. RESERVED SHUTDOWN STATE DUE TO
10/08/2013	1007	0.0	Forced	Fuel Outage	0	49	FUEL SUPPLY.
10/09/2013	0859	0.0	Forced	Fuel Outage	2	36	RESERVED SHUTDOWN STATE DUE TO
]			2 2.000		]	3.	FUEL SUPPLY.
10/09/2013	1135	0.0	Forced	Fuel Outage	24	17	RESERVED SHUTDOWN STATE DUE TO
				_			FUEL SUPPLY.
10/10/2013	1209	0.0	Forced	Fuel Outage	27	32	RESERVED SHUTDOWN STATE DUE TO
10/14/2015	0000			Estat Osta	_	22	FUEL SUPPLY.
10/14/2013	0920	0.0	Forced	Fuel Outage	3	23	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/30/2013	1346	0.0	Forced	Fuel Outage	0	35	RESERVED SHUTDOWN STATE DUE TO
10,30,2013	15 10	0.0	1 01000			55	FUEL SUPPLY.
10/30/2013	1620	0.0	Forced	Fuel Outage	0	54	RESERVED SHUTDOWN STATE DUE TO
}		<b>\</b>		_	1		FUEL SUPPLY.
				L	L		





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## **Green Valley Landfill**

Unit 002		,	<del></del>				<del></del>
	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/01/2013	0000	0.0	Forced	Fuel Outage	179	54	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
05/08/2013	2330	0.0	Forced	Maintenance	8	53	ENGINE MAINTENANCE - REPLACE LEFT HAND TURBO.
05/09/2013	0823	0.0	Forced	Fuel Outage	145	37	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
05/15/2013	1036	0.0	Forced	Fuel Outage	167	36	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
05/22/2013	1034	0.0	Forced	Fuel Outage	0	37	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
05/22/2013	1116	0.0	Forced	Fuel Outage	228	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/02/2013	1144	0.0	Forced	Maintenance	10	58	ENGINE MAINTENANCE.
06/03/2013	0528	0.0	Forced	Fuel Outage	5	52	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/04/2013	1340	0.0	Forced	Fuel Outage	0	26	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/06/2013	1045	0.0	Scheduled	Maintenance	2	45	ROUTINE FIRE ALARM AND METHANE PANEL INSPECTION.
06/10/2013	0839	0.0	Forced	Fuel Outage	1	28	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/16/2013	1202	0.0	Forced	Fuel Outage	4	13	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/16/2013	1756	0.0	Forced	Fuel Outage	2	39	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/24/2013	1249	0.0	Forced	Maintenance	0	21	ENGINE MAINTENANCE.
06/25/2013	0918	0.0	Scheduled	Maintenance	0	52	ENGINE MAINTENANCE.
06/26/2013	0946	0.0	Scheduled	Maintenance	0	11	ENGINE MAINTENANCE.
06/26/2013	1436	0.0	Scheduled	Maintenance	0	45	ENGINE MAINTENANCE.
06/28/2013	0953	0.0	Scheduled	Maintenance	2	52	ENGINE MAINTENANCE.
06/28/2013	1528	0.0	Forced	Fuel Outage	56	32	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
07/01/2013	0000	0.0	Forced	Fuel Outage	35	56	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
07/22/2013	1142	0.0	Scheduled	Maintenance	3	23	ENGINE MAINTENANCE - REPAIR OIL LEAKS.
07/26/2013	2115	0.0	Forced	Maintenance	4	21	ENGINE SHUTDOWN DUE TO DETONATION.
08/05/2013	1232	0.0	Forced	Fuel Outage	0	45	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/06/2013	1434	0.0	Forced	Fuel Outage	0	16	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/20/2013	1343	0.0	Forced	Fuel Outage	3	25	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/20/2013	1748	0.0	Forced	Fuel Outage	0	14	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/21/2013	1335	0.0	Forced	Fuel Outage	1	50	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.

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Unit 002							<del>,</del>
Į.	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
08/21/2013	1539	0.0	Forced	Fuel Outage	1	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/22/2013	1153	0.0	Forced	Fuel Outage	0	13	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/22/2013	1221	0.0	Forced	Fuel Outage	0	27	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/26/2013	1238	0.0	Forced	Fuel Outage	1	8	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/28/2013	1221	0.0	Forced	Fuel Outage	0	18	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/05/2013	1400	0.0	Forced	Fuel Outage	123	26	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/17/2013	1508	0.0	Forced	Fuel Outage	1	39	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/18/2013	1507	0.0	Forced	Maintenance	0	42	FLARE MALFUNCTION.
09/18/2013	2037	0.0	Forced	Fuel Outage	2	6	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/23/2013	2028	0.0	Forced	Maintenance	5	27	ENGINE SHUTDOWN DUE TO DETONATION.
09/29/2013	1627	0.0	Forced	Maintenance	1	27	ENGINE SHUTDOWN DUE TO DETONATION.
10/03/2013	1507	0.0	Forced	Maintenance	4	42	ENGINE SHUTDOWN DUE TO DETONATION.
10/08/2013	1007	0.0	Forced	Fuel Outage	0	49	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/09/2013	0859	0.0	Forced	Fuel Outage	1	34	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/09/2013	1102	0.0	Forced	Fuel Outage	0	33	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/10/2013	1827	0.0	Forced	Fuel Outage	0	43	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/11/2013	0945	0.0	Forced	Fuel Outage	5	22	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/14/2013	0919	0.0	Forced	Fuel Outage	0	36	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/21/2013	0900	0.0	Forced	Fuel Outage	75	11	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/24/2013	1447	0.0	Forced	Fuel Outage	. 1	13	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/30/2013	1346	0.0	Forced	Fuel Outage	0	35	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/30/2013	1620	0.0	Forced	Fuel Outage	0	54	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.



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## **Green Valley Landfill**

<b>Unit 003</b>							
	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/08/2013	1156	0.0	Forced	Fuel Outage	20	27	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
05/15/2013	1133	0.0	Scheduled	Maintenance	1	47	ENGINE MAINTENANCE.
05/22/2013	1034	0.0	Forced	Fuel Outage	0	38	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/02/2013	0646	0.0	Forced	Fuel Outage	4	3	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/02/2013	1049	0.0	Forced	Fuel Outage	50	51	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/04/2013	1340	0.0	Forced	Fuel Outage	0	26	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/06/2013	1045	0.0	Scheduled	Maintenance	2	45	ROUTINE FIRE ALARM AND METHANE PANEL INSPECTION.
06/10/2013	0839	0.0	Forced	Fuel Outage	1	28	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/16/2013	1202	0.0	Forced	Fuel Outage	4	13	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/16/2013	1756	0.0	Forced	Fuel Outage	2	39	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/24/2013	1148	0.0	Scheduled	Maintenance	1	22	ENGINE MAINTENANCE.
06/25/2013	1350	0.0	Scheduled	Maintenance	0	37	ENGINE MAINTENANCE.
06/28/2013	1248	0.0	Scheduled	Maintenance	l o	37	ENGINE MAINTENANCE.
07/02/2013	1201	0.0	Scheduled	Maintenance	1	40	ENGINE MAINTENANCE - REPAIR OIL LEAKS.
07/22/2013	1116	0.0	Scheduled	Maintenance	0	24	ENGINE MAINTENANCE - REPAIR OIL LEAKS.
07/26/2013	2225	0.0	Forced	Maintenance	3	17	ENGINE SHUTDOWN DUE TO DETONATION.
08/05/2013	1233	0.0	Forced	Fuel Outage	0	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/06/2013	1402	0.0	Forced	Fuel Outage	0	51	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/07/2013	1420	0.0	Forced	Fuel Outage	119	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/14/2013	0745	0.0	Forced	Fuel Outage	49	2	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/20/2013	1343	0.0	Forced	Fuel Outage	3	25	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/20/2013	1748	0.0	Forced	Fuel Outage	0	15	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/21/2013	0922	0.0	Forced	Fuel Outage	6	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/21/2013	1539	0.0	Forced	Fuel Outage	1	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/22/2013	0904	0.0	Forced	Fuel Outage	3	13	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/22/2013	1221	0.0	Forced	Fuel Outage	0	26	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.



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## **Green Valley Landfill**

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
08/22/2013	1331	0.0	Forced	Fuel Outage	121	18	RESERVED SHUTDOWN STATE DUE TO
					ļ.		FUEL SUPPLY.
08/28/2013	1221	0.0	Forced	Fuel Outage	0	18	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/06/2013	1045	0.0	Scheduled	Maintenance	3	2	SUBSTATION MAINTENANCE.
09/10/2013	1700	0.0	Forced	Maintenance	0	24	ENGINE SHUTDOWN DUE TO
					ŀ		DETONATION.
09/17/2013	1508	0.0	Forced	Fuel Outage	1	43	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/23/2013	1332	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO
					l l		DETONATION.
09/23/2013	2025	0.0	Forced	Maintenance	5	36	ENGINE SHUTDOWN DUE TO
					l		DETONATION.
09/24/2013	0201	0.0	Forced	Fuel Outage	9	58	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/29/2013	1604	0.0	Forced	Maintenance	1	58	ENGINE SHUTDOWN DUE TO
		·			i i		DETONATION.
10/03/2013	1352	0.0	Forced	Maintenance	6	14	ENGINE SHUTDOWN DUE TO
							DETONATION.
10/04/2013	0952	0.0	Forced	Fuel Outage	121	45	RESERVED SHUTDOWN STATE DUE TO
					l		FUEL SUPPLY.
10/09/2013	1239	0.0	Forced	Fuel Outage	117	19	RESERVED SHUTDOWN STATE DUE TO
			_		١.		FUEL SUPPLY.
10/14/2013	1310	0.0	Forced	Fuel Outage	21	2	RESERVED SHUTDOWN STATE DUE TO
			_				FUEL SUPPLY.
10/17/2013	0910	0.0	Forced	Fuel Outage	95	50	RESERVED SHUTDOWN STATE DUE TO
401041000	4						FUEL SUPPLY.
10/24/2013	1437	0.0	Forced	Fuel Outage	177	23	RESERVED SHUTDOWN STATE DUE TO
					1		FUEL SUPPLY.

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## Laurel Ridge Landfill

Out out							,
	Time	Available	Forced or	[	Ā	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/03/2013	2123	0.0	Forced	Maintenance	0	42	ENGINE SHUTDOWN DUE TO DETONATION.
05/03/2013	2215	0.0	Forced	Maintenance	1	32	ENGINE MAINTENANCE - REPLACE NO. 5 CYLINDER HEAD.
05/05/2013	0914	0.0	Forced	Maintenance	0	25	ENGINE SHUTDOWN DUE TO DETONATION.
05/21/2013	0606	0.0	Scheduled	Maintenance	35	39	ENGINE MAINTENANCE - INFRAME OVERHAUL.
05/29/2013	0930	0.0	Scheduled	Maintenance	0	16	ENGINE MAINTENANCE - REPAIR OIL LEAK VALVE COVER.
06/11/2013	1317	0.0	Scheduled	Maintenance	0	44	ELECTRICAL MAINTENANCE - ANNUAL FIRE ALARM TESTING,
06/14/2013	2258	0,0	Forced	Maintenance	0	43	FUEL OUTAGE - AIR LINE BROKE AT FLARE CAUSING VALVE TO SHUT OFF FUEL.
06/26/2013	1002	0.0	Scheduled	Maintenance	6	31	FUEL SKID MAINTENANCE.
06/30/2013	0510	0.0	Forced	Maintenance	1	40	RADIATOR MAINTENANCE - REFILL
00,00,2015	0310	}	101000		ì •	40	RADIATOR.
07/08/2013	1205	0.0	Scheduled	Maintenance	2	16	ENGINE MAINTENANCE - SPARK PLUGS, VALVES AND OIL SERVICE.
07/12/2013	0048	0.0	Forced	Maintenance	9	56	ENGINE MAINTENANCE - LOOSE CONNECTION IN WIRING HARNESS.
07/13/2013	0800	0.0	Forced	Maintenance	1	4	UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.
08/13/2013	1430	0.0	Scheduled	Maintenance	0	22	ENGINE MAINTENANCE - SPARK PLUG NO. 3 CYLINDER.
08/14/2013	1440	0.0	Scheduled	Maintenance	0	30	ENGINE MAINTENANCE - REPLACE HEAT PROBE.
08/15/2013	0924	0.0	Scheduled	Maintenance	0	15	ENGINE MAINTENANCE - REPLACE SPARK TRANSFORMER.
08/15/2013	1050	0.0	Scheduled	Maintenance	2	10	ENGINE MAINTENANCE - REPLACE WIRE END ON TRANSFORMER.
08/20/2013	1025	0.0	Scheduled	Maintenance	5	21	ENGINE MAINTENANCE.
08/21/2013	1715	0.0	Forced	Maintenance	2	33	UTILITY BREAKER 52U OPERATION
							CAUSED BY STORMS.
09/09/2013	0612	0.0	Forced	Maintenance	5	48	GENERATOR MAINTENANCE - REPLACE
00/00/2012	1000		n	F 10.		40	POWER TRANSFORMER.
09/09/2013	1200	0.0	Forced	Fuel Outage	238	40	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/15/2013	0752	0,0	Scheduled	Maintenance	3	7	ENGINE MAINTENANCE - SHUT DOWN TO REMOVE UNIT NO. 5.
10/15/2013	1059	0.0	Forced	Fuel Outage	71	25	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
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## Laurel Ridge Landfill

Unit 002			F. 1		Γ.		
Date	Time Off/On	Available MW	Forced or Scheduled	Status		ctual Minutes	Cause or Reason
05/03/2013	2342	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO
05/05/2015	25-12	0.0	101000		ľ	3	DETONATION.
05/05/2013	0627	0.0	Forced	Maintenance	3	15	ENGINE SHUTDOWN DUE TO
		}			ł		DETONATION.
05/17/2013	1000	0.0	Scheduled	Maintenance	3	1	ENGINE MAINTENANCE - SPARK PLUGS,
05/21/2013	0745	0.0	Forced	Maintenance	0	28	VALVES AND OIL SERVICE. FUEL SKID MAINTENANCE - LOSS OF
03/21/2013	0743	0.0	roiced	Wiamichance	ľ	20	CONTROL POWER.
05/21/2013	2113	0.0	Forced	Maintenance	1	40	ENGINE MAINTENANCE - REPLACE
				<b>l</b>			TURBO.
06/01/2013	1239	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO
06/07/2013	0553	0.0	Forced	Maintenance	1	36	DETONATION. ENGINE SHUTDOWN DUE TO
00/0//2015	0555	0.0	roicca	Wantenance	1 1	50	DETONATION.
06/10/2013	2153	0.0	Forced	Maintenance	0	48	ENGINE SHUTDOWN DUE TO
		ļ					DETONATION.
06/11/2013	1239	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO
06/11/2013	1317	0.0	Scheduled	Maintenance	0	47	DETONATION. ELECTRICAL MAINTENANCE - ANNUAL
00/11/2013	1317	0.0	Scheduled	Wiamienance	1	7/	FIRE ALARM TESTING.
06/14/2013	2258	0.0	Forced	Maintenance	0	45	FUEL OUTAGE - AIR LINE BROKE AT
					ł		FLARE CAUSING VALVE TO SHUT OFF
06/14/2012	22.45					•	FUEL.
06/14/2013	2347	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
06/20/2013	0912	0.0	Scheduled	Maintenance	ه ا	57	ENGINE MAINTENANCE - INSTALL
				,			GREASE LINE IN GENERATOR.
06/26/2013	1002	0.0	Scheduled	Maintenance	5	41	FUEL SKID MAINTENANCE.
06/26/2013	1544	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO
07/02/2012	0705		0.1.1.1.1	l version in	\ ,	20	DETONATION.
07/02/2013	0705	0.0	Scheduled	Maintenance	2	30	ENGINE MAINTENANCE - SPARK PLUGS, VALVES AND OIL SERVICE.
07/05/2013	0328	0.0	Forced	Maintenance	1 0	36	ENGINE SHUTDOWN DUE TO
							DETONATION.
07/06/2013	0014	0.0	Forced	Maintenance	0	22	ENGINE SHUTDOWN DUE TO
07/06/2013	1720	] [	Forms	Maintana	_	2	DETONATION. ENGINE SHUTDOWN DUE TO
07/06/2013	1720	0.0	Forced	Maintenance	0	3	DETONATION.
07/12/2013	0433	0.0	Forced	Maintenance	1	13	ENGINE SHUTDOWN DUE TO
	-					-	DETONATION.
07/13/2013	0800	0.0	Forced	Maintenance	0	49	UTILITY BREAKER 52U OPERATION
07/20/2012	1.01	]	P 1				CAUSED BY STORMS.
07/20/2013	1621	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
07/22/2013	1410	0.0	Scheduled	Maintenance	0	11	ENGINE MAINTENANCE - REPLACE SPARK
	- 120	[ ""	25300.00			••	PLUG NO. 15 CYLINDER.
08/06/2013	1800	0.0	Forced	Fuel Outage	38	5	RESERVED SHUTDOWN STATE DUE TO
l				i	J		FUEL SUPPLY.

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	Time	Available	Forced or	ĺ		ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
08/09/2013	1914	0.0	Forced	Maintenance	2	5	ENGINE SHUTDOWN DUE TO DETONATION.
08/12/2013	0116	0.0	Forced	Maintenance	0	34	ENGINE SHUTDOWN DUE TO DETONATION.
08/21/2013	1715	0.0	Forced	Maintenance	2	39	UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.
08/27/2013	1721	0.0	Forced	Maintenance	2	54	GENERATOR MAINTENANCE - REPLACE POWER TRANSFORMER.
09/03/2013	1700	0.0	Scheduled	Maintenance	24	4	ENGINE MAINTENANCE - TOP END OVERHAUL.
09/04/2013	1712	0.0	Forced	Maintenance	0	16	ENGINE SHUTDOWN DUE TO DETONATION.
09/04/2013	1731	0.0	Forced	Maintenance	1	0	ENGINE MAINTENANCE - REPAIR EXHAUST LEAK.
09/06/2013	0903	0.0	Scheduled	Maintenance	o	16	ENGINE MAINTENANCE.
10/02/2013	1900	0.0	Forced	Maintenance	1	16	GENERATOR PROTECTIVE RELAY FAULT - SHUTDOWN ON PHASE OVER CURRENT.
10/16/2013	0752	0.0	Scheduled	Maintenance	3	7	ENGINE MAINTENANCE - SHUTDOWN TO REMOVE UNIT NO. 5.
10/18/2013	1020	0.0	Scheduled	Maintenance	3	40	ENGINE MAINTENANCE.
10/24/2013	1647	0.0	Forced	Maintenance	0	48	ENGINE MAINTENANCE - REPAIR OIL LINE LEAK.
10/25/2013	0716	0.0	Forced	Maintenance	1	9	GENERATOR MAINTENANCE - LOSS OF FIELD.

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Unit 003	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/15/2013	1532	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
05/21/2013	0745	0.0	Forced	Maintenance	0	25	FUEL SKID MAINTENANCE - LOSS OF CONTROL POWER.
05/21/2013	1237	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
05/21/2013	2102	0.0	Forced	Maintenance	0	40	ENGINE SHUTDOWN DUE TO DETONATION.
05/21/2013	2153	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO
05/28/2013	0708	0.0	Scheduled	Maintenance	2	44	DETONATION. ENGINE MAINTENANCE - SPARK PLUGS, VALVES AND OIL SERVICE.
06/03/2013	1533	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO
06/11/2013	1317	0.0	Scheduled	Maintenance	0	49	DETONATION.  ELECTRICAL MAINTENANCE - ANNUAL  FIRE ALARM TESTING.
06/14/2013	1547	0.0	Forced	Maintenance	0	24	ENGINE SHUTDOWN DUE TO
06/14/2013	2258	0.0	Forced	Maintenance	0	48	DETONATION.  FUEL OUTAGE - AIR LINE BROKE AT  FLARE CAUSING VALVE TO SHUT OFF
06/17/2013	0723	0.0	Forced	Maintenance	0	9	FUEL. ENGINE SHUTDOWN DUE TO DETONATION.
06/26/2013	1002	0.0	Scheduled	Maintenance	5	41	FUEL SKID MAINTENANCE.
06/26/2013	1544	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
06/29/2013	2016	0.0	Forced	Maintenance	1	25	ENGINE SHUTDOWN DUE TO DETONATION.
07/06/2013	0013	0.0	Forced	Maintenance	0	26	ENGINE SHUTDOWN DUE TO DETONATION.
07/06/2013	1720	0.0	Forced	Maintenance	0	26	ENGINE SHUTDOWN DUE TO DETONATION.
07/07/2013	0606	0.0	Forced	Maintenance	1	15	ENGINE SHUTDOWN DUE TO DETONATION.
07/08/2013	0734	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
07/08/2013	1440	0.0	Scheduled	Maintenance	2	11	ENGINE MAINTENANCE - SPARK PLUGS, VALVES AND OIL SERVICE.
07/12/2013	0538	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO DETONATION.
07/13/2013	0800	0.0	Forced	Maintenance	0	52	UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.
07/20/2013	1537	0.0	Forced	Maintenance	0	52	RADIATOR MAINTENANCE - WASH OUT RADIATOR.
07/30/2013	1000	0.0	Forced	Fuel Outage	24	8	RESERVED SHUTDOWN STATE DUE TO
07/31/2013	1028	0.0	Forced	Maintenance	0	20	FUEL SUPPLY. RADIATOR MAINTENANCE.

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Dete	Time	Available MW	Forced or Scheduled	Charles		ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
08/12/2013	0109	0.0	Forced	Maintenance	0	42	ENGINE SHUTDOWN DUE TO
							DETONATION.
08/15/2013	1302	0.0	Forced	Fuel Outage	19	58	RESERVED SHUTDOWN STATE DUE TO
		· ·					FUEL SUPPLY.
08/19/2013	0600	0.0	Forced	Maintenance	2	3	ENGINE SHUTDOWN DUE TO
							DETONATION.
08/19/2013	0825	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO
							DETONATION.
08/20/2013	1550	0.0	Forced	Fuel Outage	27	55	RESERVED SHUTDOWN STATE DUE TO
					ĺ		FUEL SUPPLY.
08/27/2013	1947	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO
			İ	:	}		DETONATION.
08/28/2013	0914	0.0	Forced	Maintenance	5	15	ENGINE MAINTENANCE - REPLACE NO. 13
							CYLINDER.
08/28/2013	1432	0.0	Forced	Maintenance	4	28	ENGINE MAINTENANCE - REPLACE NO. 14
							CYLINDER.
08/29/2013	1610	0.0	Forced	Maintenance	0	22	ENGINE SHUTDOWN DUE TO
							DETONATION.
09/03/2013	0721	0.0	Forced	Maintenance	0	6	ENGINE SHUTDOWN DUE TO
					1		DETONATION.
09/08/2013	2048	0.0	Forced	Fuel Outage	10	54	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/16/2013	0925	0.0	Forced	Maintenance	1	46	ENGINE MAINTENANCE - REPAIR OIL
							LEAK.
09/20/2013	0931	0.0	Forced	Fuel Outage	254	29	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
10/01/2013	0000	0.0	Forced	Fuel Outage	374	39	RESERVED SHUTDOWN STATE DUE TO
10/00/00/0		]		]	]	•	FUEL SUPPLY.
10/22/2013	0900	0.0	Forced	Fuel Outage	231	0	RESERVED SHUTDOWN STATE DUE TO
		,			ļ		FUEL SUPPLY.

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<u>Unit 004</u>							
	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	1	Minutes	Cause or Reason
05/03/2013	2342	0.0	Forced	Maintenance	0	13	ENGINE SHUTDOWN DUE TO
03/03/2013	2342	0.0	roiceu	I viantenance	1	13	DETONATION.
05/05/2013	0856	0.0	Forced	Maintenance	0	43	ENGINE SHUTDOWN DUE TO
03/03/2013	0050	0.0	1 oleca	, wantenance	ľ	13	DETONATION.
05/21/2013	0745	0.0	Forced	Maintenance	0	17	FUEL SKID MAINTENANCE - LOSS OF
					]		CONTROL POWER.
05/21/2013	0949	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO
							DETONATION.
05/21/2013	1003	0.0	Forced	Maintenance	52	16	ENGINE MAINTENANCE - EXHAUST
							MANIFOLD FAILURE AND REPLACE
					l		RIGHT HAND TURBO.
05/23/2013	1421	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO
					}		DETONATION.
05/23/2013	1440	0.0	Forced	Maintenance	1	37	ENGINE MAINTENANCE.
05/23/2013	1633	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO
					ĺ		DETONATION.
05/28/2013	0900	0.0	Scheduled	Maintenance	0	26	ENGINE MAINTENANCE.
06/01/2013	0959	0.0	Scheduled	Maintenance	52	2	ENGINE MAINTENANCE - INSTALL
							GREASE ON GENERATOR.
06/03/2013	1401	0.0	Forced	Fuel Outage	43	58	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
06/11/2013	1317	0.0	Scheduled	Maintenance	0	52	ELECTRICAL MAINTENANCE - ANUAL
							FIRE ALARM TESTING.
06/14/2013	2258	0.0	Forced	Maintenance	0	50	FUEL OUTAGE - AIR LINE BROKE AT
1				}	)		FLARE CAUSING VALVE TO SHUT OFF
				l	l .		FUEL.
06/20/2013	0959	0.0	Scheduled	Maintenance	0	40	ENGINE MAINTENANCE - INSTALL
06/06/2012	1005		61 11 1	X4.2.4	ء ا	25	GREASE LINE ON GENERATOR.
06/26/2013	1005	0.0	Scheduled	Maintenance	5	37	FUEL SKID MAINTENANCE.
06/28/2013	0351	0.0	Forced	Maintenance	0	44	ENGINE SHUTDOWN DUE TO
07/02/2012	0041	ا م	P 1	Maintenance	١ ,	2	DETONATION. ENGINE SHUTDOWN DUE TO
07/02/2013	0941	0.0	Forced	Maintenance	0	2	DETONATION.
07/03/2013	1857	0.0	Forced	Maintenance	2	19	ENGINE MAINTENANCE - REPLACE NO. 1
07/03/2013	1037	0.0	roiceu	iviaintenance		19	CYLINDER HEAD BURNT VALVE.
07/05/2013	0324	0.0	Forced	Maintenance	0	42	ENGINE SHUTDOWN DUE TO
07/03/2013	0324	0.0	roiceu	iviaintenance	ľ	72	DETONATION.
07/06/2013	0000	0.0	Forced	Maintenance	0	42	ENGINE SHUTDOWN DUE TO
0770072015	0000	""	10.00	111411111111111111111111111111111111111			DETONATION.
07/06/2013	1642	0.0	Forced	Maintenance	1	6	ENGINE SHUTDOWN DUE TO
				1		-	DETONATION.
07/08/2013	1228	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO
				Į	l		DETONATION.
07/09/2013	1245	0.0	Scheduled	Maintenance	25	13	ENGINE MAINTENANCE - TOP END
							OVERHAUL.
07/11/2013	1500	0.0	Scheduled	Maintenance	0	29	ENGINE MAINTENANCE - OIL AND FILTER
l				!			CHANGE.

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	Time	Available	Forced or	[	A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
07/13/2013	0800	0.0	Forced	Maintenance	0	48	UTILITY BREAKER 52U OPERATION
							CAUSED BY STORMS.
08/05/2013	0705	0.0	Forced	Maintenance	3	12	ENGINE MAINTENANCE - REPLACE NO. 12
00/00/00/0							CYLINDER HEAD.
08/09/2013	0900	0.0	Forced	Fuel Outage	73	19	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/21/2013	1715	0.0	Forced	Maintenance	137	14	UTILITY BREAKER 52U OPERATION
08/21/2013	1/15	0.0	rorced	Maintenance	137	14	CAUSED BY STORMS.
08/27/2013	1131	0.0	Forced	Maintenance	0	10	RADIATOR MAINTENANCE.
08/27/2013	1215	0.0	Forced	Maintenance	2	10	RADIATOR MAINTENANCE.
08/27/2013	1523	0.0	Forced	Maintenance	6	10	RADIATOR MAINTENANCE.WASH OUT
00/2//2013	1323	0.0	Torcca	Iviannenance	ľ	12	RADIATOR.
08/27/2013	1700	0.0	Forced	Fuel Outage	103	0	RESERVED SHUTDOWN STATE DUE TO
00/2//-010	2,00	5,5	10.000				FUEL SUPPLY.
09/01/2013	0000	0.0	Forced	Fuel Outage	57	19	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/03/2013	0949	0.0	Forced	Maintenance	0	33	ENGINE MAINTENANCE.
09/03/2013	1058	0.0	Forced	Maintenance	3	56	RADIATOR MAINTENANCE - CLEAN AIR
							SIDE OF RADIATOR.
09/03/2013	1514	0.0	Forced	Maintenance	0	42	ENGINE MAINTENANCE - REPLACE
					ľ		AFTER COOLER TEMPERATURE
00/04/2012	0701		P 1	<b></b>	١ ,	_	REGULATORS. ENGINE SHUTDOWN DUE TO
09/04/2013	0721	0.0	Forced	Maintenance	0	5	DETONATION.
09/16/2013	1400	0.0	Scheduled	Maintenance	1	34	ENGINE MAINTENANCE.
09/30/2013	0342	0.0	Forced	Maintenance	'	1	GENERATOR PROTECTIVE RELAY FAULT -
07/30/2013	0342	0.0	101000	Iviantenance	\	•	LOSS OF FIELD.
10/02/2013	1925	0.0	Forced	Maintenance	l o	59	ENGINE SHUTDOWN DUE TO
							DETONATION.
10/10/2013	0539	0.0	Forced	Maintenance	3	9	GENERATOR PROTECTIVE RELAY FAULT -
							LOSS OF FIELD.
10/11/2013	0539	0.0	Forced	Maintenance	3	9	GENERATOR PROTECTIVE RELAY FAULT -
l							LOSS OF FIELD.
10/15/2013	2152	0.0	Forced	Maintenance	1	8	ENGINE MAINTENANCE.
10/16/2013	0752	0.0	Scheduled	Maintenance	3	2	ENGINE MAINTENANCE - SHUTDOWN TO
ł							REMOVE UNIT NO. 5.

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## **Bavarian Landfill**

Onit 001							
	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/13/2013	0819	0.0	Forced	Maintenance	0	17	UTILITY BREAKER 52U OPERATION - 387 RELAY TRIP AT SUBSTATION.
05/20/2013	1605	0.0	Forced	Maintenance	1	1	ENGINE SHUTDOWN DUE TO DETONATION.
05/27/2013	1732	0.0	Forced	Maintenance	3	28	ENGINE SHUTDOWN DUE TO DETONATION.
05/28/2013	1256	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
05/30/2013	0856	0.0	Scheduled	Maintenance	1	14	RADIATOR MAINTENANCE - CLEAN DUST OUT OF RADIATOR.
05/30/2013	1022	0.0	Forced	Maintenance	1	46	ENGINE MAINTENANCE - REPLACED NO. 10 CYLINDER HEAD DUE TO BURNT
06/12/2013	0603	0.0	Scheduled	Maintenance	9	10	VALVE. ENGINE MAINTENANCE - ENGINE OFF LINE FOR TOP END.
06/12/2013	2006	0.0	Scheduled	Maintenance	0	9	ENGINE MAINTENANCE - TESTING ENGINE SHUTDOWNS.
06/14/2013	0915	0.0	Scheduled	Maintenance	1	25	ENGINE MAINTENANCE - CHANGE OIL AND FILTERS.
07/04/2013	0720	0.0	Forced	Maintenance	1	31	UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.
07/11/2013	1346	0.0	Forced	Maintenance	0	31	UTILITY BREAKER 52U OPERATION.
07/31/2013	1234	0.0	Forced	Maintenance	3	0	UTILITY BREAKER 52U OPERATION.
07/31/2013	1609	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION - ADJUSTED FUEL PRESSURE.
08/05/2013	1040	0.0	Scheduled	Maintenance	0	27	ENGINE MAINTENANCE - CHANGE OIL AND FILTERS.
08/13/2013	2349	0.0	Forced	Maintenance	1	4	ENGINE SHUTDOWN DUE TO DETONATION.
08/14/2013	1047	0.0	Forced	Maintenance	0	I	ENGINE SHUTDOWN DUE TO DETONATION.
08/14/2013	1248	0.0	Forced	Maintenance	1	2	ENGINE MAINTENANCE - CHANGED TRANSFORMER WIRING NO. 4 AND NO. 16.
08/14/2013	1355	0.0	Forced	Maintenance	0	14	ENGINE MAINTENANCE - CHANGED TRANSFORMER PLUG NO. 5.
08/27/2013	1313	0.0	Forced	Maintenance	0	25	UTILITY BREAKER 52U OPERATION.
09/03/2013	0801	0.0	Scheduled	Maintenance	1	43	SUBSTATION MAINTENANCE.
09/05/2013	1103	0.0	Scheduled	Maintenance	0	19	ELECTRICAL MAINTENANCE - TESTING RELAY IN SWITCHGEAR.
09/17/2013	0914	0.0	Scheduled	Maintenance	2	58	ENGINE MAINTENANCE - CHANGE OIL, FILTERS, PLUGS AND ADJUST VALVES.
09/24/2013	1128	0.0	Forced	Maintenance	0	12	UTILITY BREAKER 52U OPERATION.
10/01/2013	0735	0.0	Scheduled	Maintenance	9	43	SUBSTATION MAINTENANCE.
10/10/2013	1243	0.0	Scheduled	Maintenance	2	31	ENGINE MAINTENANCE - SHUTDOWN FOR REMOVAL OF ENGINE NO. 2.
10/16/2013	1422	0.0	Scheduled	Maintenance	2	54	ENGINE MAINTENANCE - SHUTDOWN FOR INSTALL OF ENGINE NO. 2.

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## **Bavarian Landfill**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Ao Hours	ctual Minutes	Cause or Reason
10/30/2013	0947	0.0	Scheduled	Maintenance	3	16	ENGINE MAINTENANCE - CHANGE OIL, FILTERS, PLUGS AND ADJUST VALVES.

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#### **Bavarian Landfill**

Unit 002				<del>,                                     </del>			
	Time	Available	Forced or	Į.	A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/07/2013	1506	0.0	Forced	Maintenance	4	41	ENGINE MAINTENANCE - REPLACE TURBO AND HOUSING.
05/08/2013	1015	0.0	Scheduled	Maintenance	3	0	ENGINE MAINTENANCE - PLUG, VALVE AND OIL SERVICE.
05/13/2013	0819	0.0	Forced	Maintenance	0	17	UTILITY BREAKER 52U OPERATION - 387 RELAY TRIP AT SUBSTATION.
05/17/2013	0756	0.0	Forced	Maintenance	0	10	ENGINE MAINTENANCE - REPLACE SPARK
05/27/2013	1741	0.0	Forced	Maintenance	3	26	PLUG NO. 14 CYLINDER. FUEL SKID MAINTENANCE.
05/30/2013	1233	0.0	Scheduled	Maintenance		34	RADIATOR MAINTENANCE - CLEAN DUST
		5,0	5511541154			٠.	OUT OF RADIATOR.
06/12/2013	0017	0.0	Forced	Maintenance	0	27	ENGINE MAINTENANCE - REPLACE
							GASKET ON TURBO PIPE TO AFTER
06/13/2013	0542	0.0	Farend	Maintenance	1 .	13	COOLER. ENGINE SHUTDOWN DUE TO
06/13/2013	0342	0.0	Forced	iviaintenance	1	13	DETONATION.
06/26/2013	1803	0.0	Forced	Maintenance	1	40	ENGINE SHUTDOWN DUE TO
							DETONATION.
06/27/2013	1328	0.0	Forced	Maintenance	0	12	ENGINE MAINTENANCE.
06/28/2013	0813	0.0	Scheduled	Maintenance	1	5	ENGINE MAINTENANCE - CHANGE
07/04/2012	0720		Td	Maintenance	.	21	ENGINE OIL AND FILTERS.
07/04/2013	0720	0.0	Forced	Maintenance	1	31	UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.
07/06/2013	2158	0.0	Forced	Maintenance	1	3	ENGINE SHUTDOWN DUE TO
		i					DETONATION.
07/11/2013	1346	0.0	Forced	Maintenance	0	31	UTILITY BREAKER 52U OPERATION.
07/19/2013	0829	0.0	Forced	Maintenance	0	11	ENGINE MAINTENANCE - CHANGE NO. 16 SPARK PLUG.
07/19/2013	1037	0.0	Forced	Maintenance	0	9	ENGINE MAINTENANCE - CHANGE NO. 16 TRANSFORMER.
07/31/2013	1234	0.0	Forced	Maintenance	3	17	UTILITY BREAKER 52U OPERATION.
07/31/2013	1609	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO
							DETONATION - ADJUSTED FUEL
00/00/2012	0101	0.0	D1		1 .	10	PRESSURE.
08/09/2013	0131	0.0	Forced	Maintenance	1	13	ENGINE SHUTDOWN DUE TO DETONATION.
08/12/2013	0858	0.0	Scheduled	Maintenance	0	53	ENGINE MAINTENANCE - CHANGE PLUGS,
							OIL, AND FILTERS.
08/27/2013	1313	0.0	Forced	Maintenance	0	25	UTILITY BREAKER 52U OPERATION.
08/29/2013	1635	0.0	Forced	Maintenance	1	2	ENGINE SHUTDOWN DUE TO
00/00/2010	0001			<b></b>		4.0	DETONATION.
09/03/2013	0801	0.0		Maintenance	1 217	40	SUBSTATION MAINTENANCE.
09/17/2013	1806	0,0	Forced	Maintenance	317	54	ENGINE MAINTENANCE - CRANKSHAFT BEARING.
10/01/2013	0000	0.0	Forced	Maintenance	658	57	ENGINE MAINTENANCE - CRANKSHAFT BEARING.
10/28/2013	1117	0.0	Scheduled	Maintenance	0	34	ENGINE MAINTENANCE - CALIBRATE ENGINE TIMING.



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# **Bavarian Landfill**

	Time	Available	Forced or	- <del></del>	A	ctual	
Date	Off/On	MW	Scheduled	Status	I	Minutes	Cause or Reason
05/13/2013	0819	0.0	Forced	Maintenance	0	21	UTILITY BREAKER 52U OPERATION - 387 RELAY TRIP AT SUBSTATION.
05/15/2013	1510	0.0	Forced	Maintenance	15	22	GENERATOR MAINTENANCE -
							GENERATOR PHASE OVER CURRENT FAULT.
05/17/2013	1244	0.0	Forced	Maintenance	0	48	GENERATOR MAINTENANCE -
							GENERATOR OVER VOLTAGE FAULT.
05/17/2013	1356	0.0	Forced	Maintenance	2	40	GENERATOR MAINTENANCE -
05/27/2013	1722	0.0	Forced	Maintenance	3	48	GENERATOR PHASE OVER CURRENT. GENERATOR MAINTENANCE -
03/2//2013	1722	0.0	roiced	Maintenance		40	GENERATOR MAINTENANCE GENERATOR PHASE OVER CURRENT.
05/28/2013	1202	0.0	Forced	Maintenance	4	4	GENERATOR MAINTENANCE -
05/20/2012	0542		6-1-11-1		٠.,	10	GENERATOR PHASE OVER CURRENT.
05/29/2013 05/30/2013	0542 1234	0.0 0.0	Scheduled Forced	Maintenance Maintenance	10	18 4	ENGINE MAINTENANCE. ENGINE SHUTDOWN DUE TO
03/30/2013	1234	0.0	roiced	Maintenance	ľ	4	DETONATION.
05/30/2013	1306	0.0	Scheduled	Maintenance	0	54	RADIATOR MAINTENANCE.
06/10/2013	1037	0.0	Scheduled	Maintenance	0	41	ENGINE MAINTENANCE - CHANGE
06/11/2012	1652	0.0	Famuel	Maintenance	_	23	ENGINE OIL AND FILTERS. GENERATOR MAINTENANCE -
06/11/2013	1032	0.0	Forced	Maintenance	6	23	GENERATOR MAINTENANCE - GENERATOR PHASE OVER CURRENT.
06/12/2013	1318	0.0	Forced	Maintenance	3	0	GENERATOR MAINTENANCE -
						_	GENERATOR PHASE OVER CURRENT.
06/12/2013	1638	0.0	Forced	Maintenance	4	0	GENERATOR MAINTENANCE - GENERATOR PHASE OVER CURRENT.
06/12/2013	2230	0.0	Forced	Maintenance	34	45	GENERATOR MAINTENANCE -
	ı						GENERATOR PHASE OVER CURRENT.
07/01/2013	1510	0.0	Forced	Maintenance	0	9	ENGINE MAINTENANCE - CHANGE SPARK
07/04/2013	0720	0.0	Forced	Maintenance	] ,	34	PLUG. UTILITY BREAKER 52U OPERATION
07/04/2015	0,20	0.0	101000	Mantenance		J.	CAUSED BY STORMS.
07/08/2013	0848	0.0	Forced	Maintenance	0	11	ENGINE MAINTENANCE - CHANGE SPARK
07/08/2013	1023	0.0	Forced	Maintenance	0	8	PLUG. ENGINE MAINTENANCE - CHANGE
07/00/2013	1023	. 0.0	rorceu	ivianitenance		Ō	TRANSFORMER NO. 5 CYLINDER.
07/11/2013	1346	0.0	Forced	Maintenance	0	35	UTILITY BREAKER 52U OPERATION.
07/17/2013	2316	0.0	Forced	Maintenance	1	4	ENGINE SHUTDOWN DUE TO
07/10/2012	0042	0.0	Page 4	Maintenanas	,	12	DETONATION. ENGINE MAINTENANCE - CHANGE NO. 5
07/19/2013	0842	0.0	Forced	Maintenance	1	13	TRANSFORMER WIRE,
07/31/2013	1234	0.0	Forced	Maintenance	3	25	UTILITY BREAKER 52U OPERATION.
07/31/2013	1607	0.0	Forced	Maintenance	0	46	ENGINE SHUTDOWN DUE TO
00/05/2012	0010		0-1-1-1	Maintan	_	45	DETONATION.
08/05/2013	0912	0.0	Scheduled	Maintenance	0	45	ENGINE MAINTENANCE - CHANGE OIL AND FILTERS.
08/27/2013	1313	0.0	Forced	Maintenance	0	30	UTILITY BREAKER 52U OPERATION.
09/03/2013	0801	0.0	Scheduled	Maintenance	1	48	SUBSTATION MAINTENANCE.

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Date	Time Off/On	Available MW	Forced or Scheduled	Status	1	ctual Minutes	Cause or Reason
09/16/2013	1613	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO
					l		DETONATION.
09/17/2013	1821	0.0	Forced	Maintenance	1	46	ENGINE SHUTDOWN DUE TO
							DETONATION.
09/20/2013	1331	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO
							DETONATION.
09/24/2013	1128	0.0	Forced	Maintenance	0	12	UTILITY BREAKER 52U OPERATION.
09/25/2013	0914	0.0	Scheduled	Maintenance	3	5	ENGINE MAINTENANCE.
10/01/2013	0735	0.0	Scheduled	Maintenance	9	44	SUBSTATION MAINTENANCE.
10/08/2013	0636	0.0	Forced	Maintenance	1	13	GENERATOR MAINTENANCE - LOSS OF
					ľ		FIELD.
10/08/2013	0758	0.0	Forced	Maintenance	0	6	GENERATOR MAINTENANCE - LOSS OF
					l		FIELD.
10/10/2013	1243	0.0	Scheduled	Maintenance	2	33	ENGINE MAINTENANCE. SHUTDOWN FOR
					1		REMOVAL OF ENGINE NO. 2.
10/16/2013	1422	0.0	Scheduled	Maintenance	3	0	ENGINE MAINTENANCE - SHUTDOWN
					1		FOR INSTALL OF ENGINE NO. 2.
10/19/2013	2237	0.0	Forced	Maintenance	1	51	GENERATOR MAINTENANCE - LOSS OF
		ļ			1		FIELD.
10/20/2013	0029	0.0	Forced	Maintenance	0	6	GENERATOR MAINTENANCE - LOSS OF
							FIELD.
10/20/2013	0043	0.0	Forced	Maintenance	11	27	GENERATOR MAINTENANCE - LOSS OF
		Į į					FIELD.
		_					FIELD.



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#### **Bavarian Landfill**

<b>.</b>	Time	Available	Forced or Scheduled	Q.	ſ	ctual	
Date	Off/On	MW		Status	Hours	Minutes	Cause or Reason
05/05/2013	1448	0.0	Forced	Maintenance	] 1	18	ENGINE SHUTDOWN DUE TO DETONATION.
05/13/2013	0819	0.0	Forced	Maintenance	0	24	UTILITY BREAKER 52U OPERATION - 387 RELAY TRIP AT SUBSTATION.
05/20/2013	1605	0.0	Forced	Maintenance	6	10	ENGINE MAINTENANCE - SHUTDOWN DUE TO HIGH COOLANT TEMPERATURE.
05/27/2013	1732	0.0	Forced	Maintenance	3	45	ENGINE SHUTDOWN DUE TO
05/28/2013	1142	0.0	Forced	Maintenance	0	23	DETONATION. ENGINE MAINTENANCE - SHUTDOWN
05/28/2013	1255	0.0	Forced	Maintenance	0	8	DUE TO HIGH COOLANT TEMPERATURE, ENGINE MAINTENANCE - SHUTDOWN
05/28/2013	1451	0.0	Forced	Maintenance	0	4	DUE TO HIGH COOLANT TEMPERATURE. ENGINE MAINTENANCE - SHUTDOWN
05/28/2013	1615	0.0	Scheduled	Maintenance	0	51	DUE TO HIGH COOLANT TEMPERATURE. RADIATOR MAINTENANCE - CLEAN DUST
05/30/2013	1400	0.0	Scheduled	Maintenance	1	0	OUT OF RADIATOR. RADIATOR MAINTENANCE - CLEAN DUST
06/12/2013	2355	0.0	Forced	Maintenance	7	2	OUT OF RADIATOR. ENGINE SHUTDOWN DUE TO
07/04/2013	0720	0.0	Forced	Maintenance	1	43	DETONATION. UTILITY BREAKER 52U OPERATION
07/05/2013	0416	0.0	Forced	Maintenance	1	18	CAUSED BY STORMS. ENGINE SHUTDOWN DUE TO
07/06/2013	2155	0.0	Forced	Maintenance	1	10	DETONATION. ENGINE SHUTDOWN DUE TO
07/08/2013	0836	0.0	Forced	Maintenance	0	11	DETONATION. ENGINE MAINTENANCE - CHANGE SPARK
07/11/2013	1346	0.0	Forced	Maintenance		51	PLUG. UTILITY BREAKER 52U OPERATION.
07/16/2013	1450	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO
				- 	·		DETONATION.
07/17/2013	0613	0.0	Scheduled	Maintenance	8	18	ENGINE MAINTENANCE - TOP END OVERHAUL.
07/26/2013	0812	0.0	Scheduled	Maintenance	0	36	ENGINE MAINTENANCE. CHANGE OIL AND FILTERS.
07/31/2013	1234	0.0	Forced	Maintenance	6	14	UTILITY BREAKER 52U OPERATION.
08/01/2013	1452	0.0	Forced	Maintenance	0	49	RADIATOR MAINTENANCE - LOW COOLANT LEVEL.
08/27/2013	1313	0.0	Forced	Maintenance	0	37	UTILITY BREAKER 52U OPERATION.
09/03/2013	0801	0.0	Scheduled	Maintenance	1	52	SUBSTATION MAINTENANCE.
09/19/2013	1123	0.0	Forced	Maintenance	26	1	ENGINE MAINTENANCE - INSPECT AND REPAIR LUBRICATION SYSTEM.
09/23/2013	0912	0.0	Scheduled	Maintenance	1	27	ENGINE MAINTENANCE. CHANGE PLUGS AND ADJUST VALVES.
09/24/2013	1128	0.0	Forced	Maintenance	0	14	UTILITY BREAKER 52U OPERATION.
09/27/2013	0106	0.0	Forced	Maintenance	1	2	ENGINE SHUTDOWN DUE TO DETONATION. ADJUSTED FUEL
				}	}		PRESSURE.

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	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
10/01/2013	0735	0.0	Scheduled	Maintenance	9	47	SUBSTATION MAINTENANCE.
10/04/2013	0913	0.0	Forced	Maintenance	0	13	ENGINE MAINTENANCE - ADJUST NO. 12 BRIDGES AND VALVES.
10/10/2013	1243	0.0	Scheduled	Maintenance	2	36	ENGINE MAINTENANCE - SHUTDOWN FOR REMOVAL OF ENGINE NO. 2.
10/16/2013	1422	0.0	Scheduled	Maintenance	3	7	ENGINE MAINTENANCE - SHUTDOWN FOR INSTALL OF ENGINE NO. 2.
10/19/2013	1037	0.0	Forced	Maintenance	3	54	GENERATOR MAINTENANCE - REPLACE BURNT POWER TRANSFORMER WIRE.
10/27/2013	1506	0.0	Forced	Maintenance	27	13	ENGINE MAINTENANCE - REPLACE RIGHT HAND TURBO AND HOUSING.



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#### Hardin Co. Landfill

Time	Onit 001							,,
0.506/2/2013   1120   0.0   Forced   Maintenance   0   6   ENGINE SHUTDOWN DUE TO DETONATION.		Time	Available	Forced or		A	ctual	
05/02/2013   1128   0.0   Forced   Maintenance   0   6   ENGINE SHUTDOWN DUE TO DETONATION.	Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/02/2013   1128   0.0   Forced   Maintenance   0   6   ENGINE SHUTDOWN DUE TO DETONATION.	05/02/2013	1120	0.0	Forced	Maintenance	0	6	
05/06/2013   1050   0.0   Forced   Maintenance   0   10   ERIONATION.   ENGINE SHUTDOWN DUE TO DETONATION.   ENGINE SHUTDOWN DUE TO DETONATION.   ENGINE SHUTDOWN DUE TO DETONATION.   OF 1/3/2013   0445   0.0   Scheduled   Maintenance   2   45   UTILITY BREAKER 52U OPERATION.   Maintenance   3   20   ENGINE MAINTENANCE - SPARR PLUG, VALVES AND VALVES AND OIL MAINTENANCE.   SERGINE MAINTENANCE - SPARR PLUG, VALVES AND VALVES AND OIL MAINTENANCE.   SERGINE MAINTENANCE - SPARR PLUG, VALVES AND VALVES AND OIL MAINTENANCE - SPARR PLUG, VALVES AND VALVES AND OIL MAINTENANCE.   SERGINE MAINTENANCE - INSPECT NO. 2   CYLINDER HEADS.   AND NO. 8 CYLINDER HEADS.   CYLINDER HEADS.					ļ			
05/06/2013   1050   0.0   Forced   Maintenance   0   10   ENGINE SHUTDOWN DUE TO DETONATION.	05/02/2013	1128	0.0	Forced	Maintenance	0	6	
05/13/2013   0200   0.0   Forced   Maintenance   2   45   UTILITY BREAKER 52U OPERATION.								
05/13/2013   0200   0.0   Forced   Maintenance   2   45   UTILITY BREAKER \$2U OPERATION.	05/06/2013	1050	0.0	Forced	Maintenance	0	10	
05/13/2013	05/12/2012	0200	0.0	Formed	Maintanana	١,	15	
05/14/2013   0740   0.0   Scheduled   Maintenance   5   20   ENGINE MAINTENANCE - REPLACE NO. 2   AND NO. 8 CYLINDER HEADS.			1					
05/14/2013   0740   0.0   Scheduled   Maintenance   5   20   MAINTENANCE.   ENGINE MAINTENANCE - REPLACE NO. 2   AND NO. 8 CYLINDER HEADS.   O5/18/2013   0947   0.0   Scheduled   Maintenance   0   25   ENGINE MAINTENANCE - INSPECT NO. 2   CYLINDER HEAD.   SUBSTATION MAINTENANCE.   O6/12/2013   1045   0.0   Scheduled   Maintenance   0   35   ENGINE MAINTENANCE - CHANGE OIL   AND FILTERS.   ENGINE SHUTDOWN DUE TO   DETONATION.   O6/21/2013   1123   0.0   Forced   Maintenance   19   58   UTILITY BREAKER 52U OPERATION   CAUSED BY STORMS.   O6/26/2013   2233   0.0   Forced   Maintenance   2   23   SUBSTATION MAINTENANCE.   O6/28/2013   2005   0.0   Forced   Maintenance   2   24   ENGINE SHUTDOWN DUE TO   DETONATION.   O6/28/2013   2046   0.0   Forced   Maintenance   2   24   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/02/2013   1002   0.0   Scheduled   Maintenance   2   24   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/02/2013   1002   0.0   Scheduled   Maintenance   2   24   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/03/2013   1000   0.0   Forced   Maintenance   2   24   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/03/2013   1000   0.0   Forced   Maintenance   0   4   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/03/2013   1102   0.0   Forced   Maintenance   2   28   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1200   0.0   Forced   Maintenance   0   17   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1236   0.0   Forced   Maintenance   0   7   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1236   0.0   Forced   Maintenance   0   7   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1236   0.0   Forced   Maintenance   0   7   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1236   0.0   Forced   Maintenance   0   7   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1236   0.0   Forced   Maintenance   0   7   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1236   0.0   Forced   Maintenance   17   2   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1235   0.0   Forced   Maintenance   17   2   EN	03/13/2013	0443	0.0	Scheduled	Maintenance	'	20	*
05/14/2013   0740   0.0   Scheduled   Maintenance   5   20   ENGINE MAINTENANCE - REPLACE NO. 2   AND NO. 8 CYLINDER HEADS.	1					!		
O5/17/2013   O810   O.0   Forced   Maintenance   O   25   ENGINE MAINTENANCE - INSPECT NO. 2   CYLINDER HEAD.	05/14/2013	0740	0.0	Scheduled	Maintenance	5	20	
05/17/2013   0810   0.0   Forced   Maintenance   0   25   ENGINE MAINTENANCE - INSPECT NO. 2   CYLINDER HEAD.		0, 10					20	
05/28/2013   0947   0.0   Scheduled   Maintenance   7   23   SUBSTATION MAINTENANCE.	05/17/2013	0810	0.0	Forced	Maintenance	0	25	
06/12/2013         1045         0.0         Scheduled Maintenance         0         35         ENGINE MAINTENANCE - CHANGE OIL AND FILTERS.           06/12/2013         1123         0.0         Forced Maintenance         0         11         ENGINE SHUTDOWN DUE TO DETONATION.           06/21/2013         0900         0.0         Forced Fuel Outage         1         50         RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.           06/24/2013         1301         0.0         Forced Maintenance         19         58         UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.           06/26/2013         2233         0.0         Forced Maintenance         2         23         UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.           06/28/2013         2023         0.0         Forced Maintenance         2         38         SUBSTATION MAINTENANCE.           06/28/2013         052         0.0         Forced Maintenance         0         11         ENGINE SHUTDOWN DUE TO DETONATION.           07/02/2013         1002         0.0         Scheduled         Maintenance         2         24         ENGINE SHUTDOWN DUE TO DETONATION.           07/03/2013         1010         0.0         Forced Maintenance         0         4         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013 <td></td> <td></td> <td>}</td> <td></td> <td>1</td> <td>1</td> <td></td> <td>CYLINDER HEAD.</td>			}		1	1		CYLINDER HEAD.
06/12/2013   1123   0.0   Forced   Maintenance   0   11   ENGINE SHUTDOWN DUE TO DETONATION.	05/28/2013	0947	0.0	Scheduled	Maintenance	7	23	SUBSTATION MAINTENANCE.
06/12/2013   1123   0.0   Forced   Maintenance   0   11   ENGINE SHUTDOWN DUE TO DETONATION.	06/12/2013	1045	0.0	Scheduled	Maintenance	0	35	ENGINE MAINTENANCE - CHANGE OIL
DETONATION   DETONATION   DETONATION   RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY			ļ		ł	[		)
06/21/2013         0900         0.0         Forced         Fuel Outage         1         50         RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.           06/24/2013         1301         0.0         Forced         Maintenance         19         58         UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.           06/26/2013         2233         0.0         Forced         Maintenance         2         23         UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.           06/27/2013         2203         0.0         Forced         Maintenance         2         38         SUBSTATION MAINTENANCE.           06/28/2013         0052         0.0         Forced         Maintenance         0         11         ENGINE SHUTDOWN DUE TO DETONATION.           07/02/2013         1002         0.0         Scheduled         Maintenance         2         1         ENGINE SHUTDOWN DUE TO DETONATION.           07/03/2013         1010         0.0         Forced         Maintenance         0         4         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1200         0.0         Forced         Maintenance         2         28         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0	06/12/2013	1123	0.0	Forced	Maintenance	0	11	
FUEL SUPPLY.   FUEL SUPPLY.   FUEL SUPPLY.   FUEL SUPPLY.   O6/24/2013   1301   O.0   Forced   Maintenance   19   58   UTILITY BREAKER 52U OPERATION   CAUSED BY STORMS.   O6/26/2013   2233   O.0   Forced   Maintenance   2   23   UTILITY BREAKER 52U OPERATION   CAUSED BY STORMS.   O6/27/2013   2203   O.0   Forced   Maintenance   2   38   SUBSTATION MAINTENANCE.   O6/28/2013   O052   O.0   Forced   Maintenance   0   11   ENGINE SHUTDOWN DUE TO   DETONATION.   O6/28/2013   2046   O.0   Forced   Maintenance   2   24   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/02/2013   1002   O.0   Scheduled   Maintenance   2   1   ENGINE MAINTENANCE - VALVES AND   SPARK PLUG MAINTENANCE.   O7/03/2013   1010   O.0   Forced   Maintenance   0   4   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/07/2013   1200   O.0   Forced   Maintenance   2   28   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1102   O.0   Forced   Maintenance   0   17   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1236   O.0   Forced   Maintenance   0   7   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   1236   O.0   Forced   Maintenance   0   7   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   2355   O.0   Forced   Maintenance   17   2   ENGINE SHUTDOWN DUE TO   DETONATION.	0.001.001.0		}					
06/24/2013   1301   0.0   Forced   Maintenance   19   58   UTILITY BREAKER 52U OPERATION   CAUSED BY STORMS.	06/21/2013	0900	0.0	Forced	Fuel Outage	1	50	
CAUSED BY STORMS.   CAUSED BY STORMS.	06/24/2013	1201	00	Formed	Maintanana	10	50	
06/26/2013         2233         0.0         Forced         Maintenance         2         23         UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.           06/27/2013         2203         0.0         Forced         Maintenance         2         38         SUBSTATION MAINTENANCE.           06/28/2013         0052         0.0         Forced         Maintenance         0         11         ENGINE SHUTDOWN DUE TO DETONATION.           06/28/2013         2046         0.0         Forced         Maintenance         2         24         ENGINE SHUTDOWN DUE TO DETONATION.           07/02/2013         1002         0.0         Scheduled         Maintenance         2         1         ENGINE SHUTDOWN DUE TO DETONATION.           07/03/2013         1010         0.0         Forced         Maintenance         0         4         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1102         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0         7         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2 <td>00/24/2013</td> <td>1301</td> <td>0.0</td> <td>roiced</td> <td>iviaintenance</td> <td>  19</td> <td>20</td> <td></td>	00/24/2013	1301	0.0	roiced	iviaintenance	19	20	
CAUSED BY STORMS.   CAUSED BY STORMS.   CAUSED BY STORMS.   SUBSTATION MAINTENANCE.   O6/28/2013   O52   O.0   Forced   Maintenance   O   11   ENGINE SHUTDOWN DUE TO   DETONATION.   O6/28/2013   2046   O.0   Forced   Maintenance   DETONATION.   O7/02/2013   O.0   Scheduled   Maintenance   O   A   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/03/2013   O.0   Forced   Maintenance   O   A   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/07/2013   O.0   Forced   Maintenance   O   A   ENGINE SHUTDOWN DUE TO   DETONATION.   O7/08/2013   O.0   Forced   Maintenance   O   O   O   DETONATION.   O7/08/2013   O.0   Forced   Maintenance   O   O   O   O   DETONATION.   O7/08/2013   O.0   Forced   Maintenance   O   O   O   DETONATION.   OF O7/08/2013   O.0   O   Forced   O   O   O   DETONATION.   O   O   DETONATION.   O   O   O   O   O   O   O   O   O	06/26/2013	2233	0.0	Forced	Maintenance	)	23	
06/28/2013         0052         0.0         Forced         Maintenance         0         11         ENGINE SHUTDOWN DUE TO DETONATION.           06/28/2013         2046         0.0         Forced         Maintenance         2         24         ENGINE SHUTDOWN DUE TO DETONATION.           07/02/2013         1002         0.0         Scheduled         Maintenance         2         1         ENGINE SHUTDOWN DUE TO SPARK PLUG MAINTENANCE.           07/03/2013         1010         0.0         Forced         Maintenance         0         4         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1200         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0         7         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.		-200	"	10,000				
DETONATION.   DETONATION.	06/27/2013	2203	0.0	Forced	Maintenance	2	38	SUBSTATION MAINTENANCE.
06/28/2013         2046         0.0         Forced         Maintenance         2         24         ENGINE SHUTDOWN DUE TO DETONATION.           07/02/2013         1002         0.0         Scheduled         Maintenance         2         I         ENGINE MAINTENANCE - VALVES AND SPARK PLUG MAINTENANCE.           07/03/2013         1010         0.0         Forced         Maintenance         0         4         ENGINE SHUTDOWN DUE TO DETONATION.           07/07/2013         1200         0.0         Forced         Maintenance         2         28         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1102         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.	06/28/2013	0052	0.0	Forced	Maintenance	0	11	ENGINE SHUTDOWN DUE TO
DETONATION.   DETONATION.   DETONATION.   Scheduled   Maintenance   2   1   ENGINE MAINTENANCE - VALVES AND SPARK PLUG MAINTENANCE.   SPARK PLUG M					Í	Ĭ		DETONATION.
07/02/2013         1002         0.0         Scheduled         Maintenance         2         I         ENGINE MAINTENANCE - VALVES AND SPARK PLUG MAINTENANCE.           07/03/2013         1010         0.0         Forced         Maintenance         0         4         ENGINE SHUTDOWN DUE TO DETONATION.           07/07/2013         1200         0.0         Forced         Maintenance         2         28         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1102         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0         7         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.	06/28/2013	2046	0.0	Forced	Maintenance	2	24	
07/03/2013         1010         0.0         Forced         Maintenance         0         4         ENGINE SHUTDOWN DUE TO DETONATION.           07/07/2013         1200         0.0         Forced         Maintenance         2         28         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1102         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0         7         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.								_ :
07/03/2013         1010         0.0         Forced         Maintenance         0         4         ENGINE SHUTDOWN DUE TO DETONATION.           07/07/2013         1200         0.0         Forced         Maintenance         2         28         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1102         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0         7         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.	07/02/2013	1002	0.0	Scheduled	Maintenance	2	I	
07/07/2013         1200         0.0         Forced         Maintenance         2         28         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1102         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0         7         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.	07/02/04/2	1010		T	 	١ ,		
07/07/2013         1200         0.0         Forced         Maintenance         2         28         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1102         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0         7         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.	07/03/2013	1010	0.0	rorcea	Maintenance	l "	4	
07/08/2013 1102 0.0 Forced Maintenance 0 17 ENGINE SHUTDOWN DUE TO DETONATION. 07/08/2013 1236 0.0 Forced Maintenance 0 7 ENGINE SHUTDOWN DUE TO DETONATION. 07/08/2013 2355 0.0 Forced Maintenance 17 2 ENGINE SHUTDOWN DUE TO DETONATION.	07/07/2013	1200	0.0	Forced	   Maintenance	,	28	
07/08/2013         1102         0.0         Forced         Maintenance         0         17         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         1236         0.0         Forced         Maintenance         0         7         ENGINE SHUTDOWN DUE TO DETONATION.           07/08/2013         2355         0.0         Forced         Maintenance         17         2         ENGINE SHUTDOWN DUE TO DETONATION.	0110112013	1200	0.0	101000	I Transcialice		20	
07/08/2013 1236 0.0 Forced Maintenance 0 7 ENGINE SHUTDOWN DUE TO DETONATION.  07/08/2013 2355 0.0 Forced Maintenance 17 2 ENGINE SHUTDOWN DUE TO DETONATION.	07/08/2013	1102	0.0	Forced	Maintenance	0	17	
07/08/2013 2355 0.0 Forced Maintenance 17 2 DETONATION. ENGINE SHUTDOWN DUE TO DETONATION.					1		-	
07/08/2013 2355 0.0 Forced Maintenance 17 2 ENGINE SHUTDOWN DUE TO DETONATION.	07/08/2013	1236	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO
DETONATION.					ļ	ł		1
	07/08/2013	2355	0.0	Forced	Maintenance	17	2	
EDITION TO A LEGISLA DE LA PROPERTIE DE LA LA LA LA LA LA LA LA LA LA LA LA LA	07/00/2017	1001		<b>.</b> .		} _	-	1
	07/09/2013	1824	0.0	Forced	Maintenance	0	5	1 111 211 11 11 11 11
DETONATION. 07/09/2013 1908 0.0 Forced Maintenance 0 5 ENGINE SHUTDOWN DUE TO	07/00/2012	1000	00	Formed	Maintenance	) ^	5	
0 //09/2013 1908 0.0 Forced Maintenance 0 5 ENGINE SHOTOWN DOE TO DETONATION.	07/09/2013	1309	0.0	rorcea	iviannenance	ľ	د	
07/11/2013 0808 0.0 Forced Maintenance 0 10 RESERVED SHUTDOWN STATE DUE TO	07/11/2013	0808	0.0	Forced	Maintenance	<u></u>	10	I .
FUEL SUPPLY.		- 000	•			ľ		

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Onit out							
	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
07/11/2013	1240	0.0	Forced	Maintenance	1	2	ENGINE SHUTDOWN DUE TO
					1		DETONATION.
07/11/2013	1416	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO
							DETONATION.
07/11/2013	1426	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO
							DETONATION.
07/15/2013	1010	0.0	Scheduled	Maintenance	2	51	ENGINE MAINTENANCE - REBUILD GAS
07/15/2012	1206		T	\ \ \	۱ ,	1.	REGULATORS.
07/15/2013	1306	0.0	Forced	Maintenance	0	11	ENGINE SHUTDOWN DUE TO DETONATION.
07/15/2013	1323	0.0	Forced	Maintenance	0	6	ENGINE SHUTDOWN DUE TO
0//15/2015	1323	] 0.0	Tolccu	Wiamichanee	ľ	· ·	DETONATION.
07/15/2013	1401	0.0	Forced	Maintenance	l o	7	ENGINE SHUTDOWN DUE TO
	- •••	3,0					DETONATION.
07/17/2013	0928	0.0	Scheduled	Maintenance	0	42	ENGINE MAINTENANCE - OIL CHANGE.
07/17/2013	1022	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO
l					ļ		DETONATION.
07/21/2013	0720	0.0	Forced	Maintenance	1	45	ENGINE SHUTDOWN DUE TO
							DETONATION.
07/22/2013	1220	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO
					ł		DETONATION.
07/24/2013	0925	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO
07/25/2012	0115				Ι.	1.5	DETONATION.
07/25/2013	0115	0.0	Forced	Maintenance	1	15	ENGINE SHUTDOWN DUE TO DETONATION.
07/25/2013	0715	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO
07/25/2015	0/13	0.0	roiced	Mannenance	ľ	10	DETONATION.
07/29/2013	1050	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO
							DETONATION.
07/31/2013	0850	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO
		<b>i</b>			]		DETONATION.
08/01/2013	1025	0.0	Forced	Maintenance	0	20	ENGINE SHUTDOWN DUE TO
		[ ]			J		DETONATION.
08/01/2013	1105	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO
09/04/2012	0720		P	Maintonomas	Ι.	احد	DETONATION. ENGINE SHUTDOWN DUE TO
08/04/2013	0720	0.0	Forced	Maintenance	1	43	DETONATION.
08/05/2013	0030	0.0	Forced	Maintenance	1	20	ENGINE SHUTDOWN DUE TO
30/03/2013	0000	0.0	101000	1. Lamesmano	i '	20	DETONATION.
08/05/2013	0524	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO
		<b>\</b>			}		DETONATION.
08/05/2013	2300	0.0	Forced	Maintenance	1	30	ENGINE SHUTDOWN DUE TO
		<b>'</b>			1		DETONATION.
08/06/2013	0720	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO
				l		اسد	DETONATION.
08/06/2013	1005	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO
1		1	l	}	1	l	DETONATION.



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<u>Unit 001</u>	•						
	Time	Available	Forced or		Act	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
08/06/2013	1035	0.0	Scheduled	Maintenance	3	35	ENGINE MAINTENANCE - REPLACED
08/06/2013	1420	0.0	Forced	Maintenance	0	11	HEAD. ENGINE SHUTDOWN DUE TO
08/07/2013	0840	0.0	Forced	Maintenance	0	5	DETONATION. ENGINE SHUTDOWN DUE TO
08/07/2013	1050	0.0	Forced	Maintenance	0	10	DETONATION. ENGINE SHUTDOWN DUE TO DETONATION.
08/07/2013	2010	0.0	Forced	Maintenance	1	30	ENGINE SHUTDOWN DUE TO DETONATION.
08/08/2013	0320	0.0	Forced	Maintenance	0	40	ENGINE SHUTDOWN DUE TO DETONATION.
08/08/2013	0935	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO DETONATION.
08/08/2013	1910	0.0	Forced	Maintenance	1	0	ENGINE SHUTDOWN DUE TO DETONATION.
08/09/2013	0920	0.0	Forced	Maintenance	3	10	ENGINE SHUTDOWN DUE TO DETONATION - REPLACED HEAD.
08/09/2013	1335	0.0	Forced	Maintenance	4	20	GENERATOR MAINTENANCE - REPLACED RIGHT SIDE COMPLETE TURBO.
08/09/2013	1756	0.0	Forced	Maintenance	0	9	ENGINE SHUTDOWN DUE TO DETONATION.
08/10/2013	0935	0.0	Forced	Maintenance	7	40	ENGINE SHUTDOWN DUE TO DETONATION - REPLACE NO. 7 CYLINDER PACK AND HEAD.
08/16/2013	0840	0.0	Scheduled	Maintenance	5	0	ENGINE MAINTENANCE - VALVE AND BRIDGE ADJUSMENT CHECK AND INSPECT GENERATOR.
08/22/2013	1020	0.0	Scheduled	Maintenance	0	40	ENGINE MAINTENANCE - CHANGE OIL AND FILTERS.
08/23/2013	1355	0.0	Forced	Maintenance	0	10	GENERATOR PROTECTIVE RELAY FAULT.
08/23/2013	1412	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
08/26/2013	0350	0.0	Forced	Maintenance	1	45	ENGINE SHUTDOWN DUE TO DETONATION.
08/26/2013	0540	0.0	Scheduled	Maintenance	1	35	ENGINE MAINTENANCE - INSPECT LEFT AND RIGHT SIDE TURBO.
08/26/2013	0735	0.0	Scheduled	Maintenance	1	55	ENGINE MAINTENANCE - REPLACED TURBO CART.
08/26/2013	1105	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.
08/26/2013	1445	0.0	Forced	Maintenance	1	45	ENGINE SHUTDOWN DUE TO DETONATION.
08/28/2013	1435	0.0	Forced	Maintenance	2	10	ENGINE SHUTDOWN DUE TO DETONATION.
08/29/2013	0030	0.0	Forced	Maintenance	1	20	ENGINE SHUTDOWN DUE TO DETONATION.

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	Time	Available	Forced or	ļ	A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
08/29/2013	1045	0.0	Forced	Fuel Outage	61	15	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/01/2013	0000	0.0	Forced	Fuel Outage	106	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/11/2013	0600	0.0	Scheduled	Maintenance	10	0	ENGINE MAINTENANCE.
09/11/2013	1650	0.0	Scheduled	Maintenance	1	35	ENGINE MAINTENANCE - VALVE ADJUSTMENT.
09/12/2013	0900	0.0	Forced	Fuel Outage	1	40	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/15/2013	1730	0.0	Scheduled	Maintenance	0	10	ENGINE MAINTENANCE - RESET AIR FUEL RATIO CONTROL.
09/17/2013	1425	0.0	Forced	Maintenance	0	15	GENERATOR PROTECTIVE RELAY FAULT - DIRECTIONAL POWER FAULT.
10/04/2013	0740	0.0	Scheduled	Maintenance	0	30	ENGINE MAINTENANCE - CHANGED OIL AND FILTERS.
10/13/2013	2310	0.0	Forced	Maintenance	2	25	UTILITY BREAKER 52U OPERATION.
10/21/2013	0830	0.0	Forced	Maintenance	0	20	GENERATOR PROTECTIVE RELAY FAULT - DIRECTIONAL POWER FAULT.
10/23/2013	1235	0.0	Forced	Maintenance	0	20	ENGINE SHUTDOWN DUE TO DETONATION.
10/24/2013	0900	0.0	Scheduled	Maintenance	3	15	ENGINE MAINTENANCE - ADJUST VALVES, BRIDGES, CHECK AND REPLACE SPARKPLUGS.
10/24/2013	1505	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO DETONATION.
10/28/2013	0935	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.
10/28/2013	1445	0.0	Forced	Maintenance	1	15	ENGINE SHUTDOWN DUE TO DETONATION.
10/30/2013	1035	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.
10/30/2013	1410	0.0	Forced	Maintenance	0	25	ENGINE SHUTDOWN DUE TO DETONATION.
10/31/2013	1310	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.

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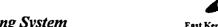
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_	Time	Available	Forced or		1	ctual	_
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/02/2013	1600	0.0	Scheduled	Maintenance	0	25	ENGINE MAINTENANCE - RESET FAULT
0.5/0.2/0.01.2	0010					10	ON AIR FUEL RATIO.
05/03/2013	0810	0.0	Scheduled	Maintenance	3	10	ENGINE MAINTENANCE - SPARK PLUG AND VALVE SERVICE.
05/13/2013	0200	0.0	Forced	Maintenance	2	45	UTILITY BREAKER 52U OPERATION.
05/28/2013	0200	0.0	Scheduled	Maintenance	8	18	SUBSTATION MAINTENANCE.
06/03/2013	0134	0.0	Forced	Maintenance	3	26	ENGINE SHUTDOWN DUE TO
00/00/2010	0151	\	10.000	I via michanice		20	DETONATION.
06/03/2013	1141	0.0	Forced	Maintenance	2	44	ENGINE SHUTDOWN DUE TO
		1			1		DETONATION.
06/04/2013	0649	0.0	Forced	Maintenance	1	26	ENGINE SHUTDOWN DUE TO
							DETONATION.
06/04/2013	1015	0.0	Forced	Maintenance	3	38	ENGINE SHUTDOWN DUE TO
06/05/2013	0321	0.0	Forced	Maintenance	10	16	DETONATION. ENGINE SHUTDOWN DUE TO
00/03/2013	0321	0.0	rorcea	Iviaintenance	1 10	10	DETONATION - NO. 7 HEAD VALVE GUIDE.
06/05/2013	1342	0.0	Forced	Maintenance	0	12	ENGINE SHUTDOWN DUE TO
		]			1	_	DETONATION.
06/06/2013	1045	0.0	Scheduled	Maintenance	2	38	ENGINE MAINTENANCE - VALVES AND
		•					SPARK PLUG MAINTENANCE.
06/17/2013	1004	0.0	Scheduled	Maintenance	0	36	ENGINE MAINTENANCE - CHANGE OIL
06/04/2012	1202		F	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	50	AND FILTERS. UTILITY BREAKER 52U OPERATION
06/24/2013	1302	0.0	Forced	Maintenance	19	59	CAUSED BY STORMS - PLANT DID NOT
							CALL OUT.
06/26/2013	2233	0.0	Forced	Maintenance	2	19	UTILITY BREAKER 52U OPERATION
							CAUSED BY STORMS.
06/27/2013	2203	0.0	Forced	Maintenance	3	7	SUBSTATION MAINTENANCE.
07/19/2013	0735	0.0	Scheduled	Maintenance	2	35	ENGINE MAINTENANCE - REPLACE PLUGS
							AND ADJUST VALVES.
07/22/2013	0745	0.0	Scheduled	Maintenance	1	35	ENGINE MAINTENANCE - OIL CHANGE.
08/10/2013	1540	0.0	Forced	Maintenance	2	0	ENGINE SHUTDOWN DUE TO
08/10/2013	1741	0.0	Forced	Maintenance		4	DETONATION. ENGINE SHUTDOWN DUE TO
00/10/2013	1/41	0.0	roicea	Ivianitenance	١ ،	7	DETONATION.
08/13/2013	0655	0.0	Scheduled	Maintenance	10	55	ENGINE MAINTENANCE - REMOVE AND
					1		CLEAN ALL 16 HEADS.
08/17/2013	1625	0.0	Forced	Maintenance	7	34	ENGINE MAINTENANCE - REPLACED
		<b>]</b>					CYLINDER AND HEAD.
08/18/2013	8000	0.0	Scheduled	Maintenance	0	26	ENGINE MAINTENANCE - CHECK VALVE
00/01/0010	1000		Caha Jla J	Maintanana	.	27	ADJUSTMENT. ENGINE MAINTENANCE - CKECK BRIDGE
08/21/2013	1000	0.0	Scheduled	Maintenance	1	37	ADJUSTMENT FOR 16 HEADS.
08/22/2013	1010	0.0	Scheduled	Maintenance	0	20	ENGINE MAINTENANCE - CHANGE OIL
JUI 2010	.010		50544.64			20	AND FILTERS.
08/23/2013	0950	0.0	Forced	Maintenance	4	6	ENGINE SHUTDOWN DUE TO
							DETONATION.



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#### Hardin Co. Landfill

Date   OR'DOn   MW   Scheduled   Status   Hours   Minutes   Cause or Reason	Unit 002	Time	Available	Forced or		A	ctual	
	Date				Status			Cause or Reason
0.00000000000000000000000000000000000	08/23/2013	1357	0.0	Forced	Maintenance		12	
RATIO.   R								
08/30/2013         0905         0,0         Scheduled Maintenance         0         5         ENGINE MAINTENANCE - RESET AIR/FUEL RATIO.           08/30/2013         0918         0.0         Forced Maintenance         0         7         RINGINE SHUTDOWN DUE TO DETONATION.           08/31/2013         2106         0.0         Forced Maintenance         2         13         UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.           09/03/2013         1245         0.0         Forced Maintenance         0         10         ENGINE SHUTDOWN DUE TO DETONATION.           09/06/2013         1700         0.0         Forced Maintenance         1         2.5         ENGINE MAINTENANCE - REPLACED NUMBER 16 HEAD.           09/11/2013         1240         0.0         Forced Fuel Outage         2         30         RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.           09/12/2013         0900         0.0         Forced Fuel Outage         1         42         RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.           09/15/2013         1515         0.0         Forced Maintenance         0         5         ENGINE SHUTDOWN DUE TO DETONATION.           09/25/2013         1245         0.0         Forced Maintenance         1         20         ENGINE SHUTDOWN DUE TO DETONATION.           09/25/2013	08/30/2013	0835	0.0	Scheduled	Maintenance	"	15	1
RATIO.   R	08/30/2013	0905	0.0	Scheduled	Maintenance	l o	5	
DEFONATION   DEFONATION   DEFONATION   UTILITY BRAKER 52U OPERATION   CAUSED BY STORMS								
08/31/2013   2106   0.0   Forced   Maintenance   2   13   UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.	08/30/2013	0918	0.0	Forced	Maintenance	0	7	
09/03/2013   1245   0.0   Forced   Maintenance   0   10   ENGINE SHUTDOWN DUE TO DETONATION.	08/21/2013	2106	ا م	Formed	Maintenance	,	12	
09/06/2013   1700   0.0   Forced   Maintenance   1   2.5   ENGINE SHUTDOWN DUE TO DETONATION.	08/31/2013	2100	0.0	roiceu	Wiamenance		13	
09/06/2013   1700   0.0   Forced   Maintenance   1   2.5   ENGINE SHUTDOWN DUE TO DETONATION.	09/03/2013	1245	0.0	Forced	Maintenance	0	10	
DETONATION   DETONATION   DETONATION   DETONATION   DETONATION   NUMBER 16 HEAD   NUMBER					1	ľ		T ·
09/09/2013   0900   0.0   Scheduled   Maintenance   3   25   ENGINE MAINTENANCE - REPLACED   NUMBER 16 HEAD.	09/06/2013	1700	0.0	Forced	Maintenance	1	25	
NUMBER 16 HEAD.   NUMBER 16 HEAD.   NUMBER 16 HEAD.   RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.	09/09/2013	0900	0.0	Scheduled	Maintenance	3	25	
1	1	0,00	0.0					
09/12/2013   0900   0.0   Forced   Fuel Outage   1   42   RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.	09/11/2013	1240	0.0	Forced	Fuel Outage	2	30	
FUEL SUPPLY.	00/10/0012	0000		_ ,	l		40	1
09/15/2013   1045   0.0   Forced   Maintenance   0   5   ENGINE SHUTDOWN DUE TO DETONATION.     09/15/2013   1515   0.0   Forced   Maintenance   1   50   ENGINE SHUTDOWN DUE TO DETONATION.     09/25/2013   0900   0.0   Scheduled   Maintenance   3   40   ENGINE MAINTENANCE - REPLACE PLUGS, OIL, FILTERS AND ADJUST VALVES.     09/25/2013   1245   0.0   Forced   Maintenance   0   20   ENGINE SHUTDOWN DUE TO DETONATION.     09/25/2013   1435   0.0   Scheduled   Maintenance   0   12   ENGINE MAINTENANCE - REPLACE PLUGS, OIL, FILTERS AND ADJUST VALVES.     09/25/2013   1435   0.0   Scheduled   Maintenance   0   12   ENGINE MAINTENANCE - REPLACE PLUGS, OIL, FILTERS AND ADJUST VALVES.     09/25/2013   1435   0.0   Scheduled   Maintenance   0   12   ENGINE MAINTENANCE - REPLACE PLUGS, OIL, FILTERS AND ADJUST VALVES.     09/25/2013   1435   0.0   Scheduled   Maintenance   8   5   ENGINE MAINTENANCE - REPLACE PLUGS, OIL, FILTERS AND ADJUST VALVES.     09/25/2013   1435   0.0   Scheduled   Maintenance   8   5   ENGINE MAINTENANCE - REPLACE GAS SHUT OFF SOLENOID.     10/10/2013   0317   0.0   Forced   Maintenance   2   20   UTILITY BREAKER 52U OPERATION.     10/13/2013   1240   0.0   Scheduled   Maintenance   1   5   ENGINE MAINTENANCE - REPLACED LINE FROM TURBO HOUSING.     10/17/2013   1405   0.0   Forced   Maintenance   0   25   ENGINE SHUTDOWN DUE TO DETONATION.     10/18/2013   1110   0.0   Forced   Maintenance   1   35   ENGINE SHUTDOWN DUE TO DETONATION.     10/21/2013   0850   0.0   Forced   Maintenance   0   ENGINE SHUTDOWN DUE TO DETONATION.     10/21/2013   0910   0.0   Forced   Maintenance   0   ENGINE SHUTDOWN DUE TO DETONATION.     10/21/2013   0910   0.0   Forced   Maintenance   0   50   ENGINE SHUTDOWN DUE TO DETONATION.	09/12/2013	0900	0.0	Forced	Fuel Outage	1	42	
DETONATION.   DETONATION.	09/12/2013	1045	0.0	Forced	Maintenance	0	5	
DETONATION.   DETONATION.   DETONATION.   Scheduled   Maintenance   3								DETONATION.
09/25/2013         0900         0.0         Scheduled         Maintenance         3         40         ENGINE MAINTENANCE - REPLACE PLUGS, OIL, FILTERS AND ADJUST VALVES.           09/25/2013         1245         0.0         Forced         Maintenance         0         20         ENGINE SHUTDOWN DUE TO DETONATION.           09/25/2013         1435         0.0         Scheduled         Maintenance         0         12         ENGINE MAINTENANCE - REPLACE FOULED SPARK PLUG.           09/26/2013         0530         0.0         Forced         Maintenance         8         5         ENGINE MAINTENANCE - REPLACED GAS SHUT OFF SOLENOID.           10/10/2013         0317         0.0         Forced         Maintenance         6         50         ENGINE SHUTDOWN DUE TO DETONATION.           10/13/2013         2310         0.0         Forced         Maintenance         1         5         ENGINE MAINTENANCE - REPLACED LINE FROM TION.           10/15/2013         1240         0.0         Scheduled         Maintenance         1         5         ENGINE MAINTENANCE - REPLACED LINE FROM TION.           10/17/2013         1405         0.0         Forced         Maintenance         0         25         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0710         0.0	09/15/2013	1515	0.0	Forced	Maintenance	1	50	
PLUGS, OIL, FILTERS AND ADJUST VALVES.   PLUGS, OIL, FILTERS AND ADJUST VALVES.   PLUGS, OIL, FILTERS AND ADJUST VALVES.   PROGINE SHUTDOWN DUE TO DETONATION.   PROGINE SHUTDOWN DUE	00/25/2012	0000	00	Cahadulad	Maintanana	,	40	
09/25/2013   1245   0.0   Forced   Maintenance   0   20   ENGINE SHUTDOWN DUE TO DETONATION.	09/23/2013	0900	0.0	Scheduled	Maintenance	,	40	1
DETONATION.						[		•
09/25/2013         1435         0.0         Scheduled         Maintenance         0         12         ENGINE MAINTENANCE - REPLACE FOULED SPARK PLUG.           09/26/2013         0530         0.0         Forced         Maintenance         8         5         ENGINE MAINTENANCE - REPLACED GAS SHUT OFF SOLENOID.           10/10/2013         0317         0.0         Forced         Maintenance         6         50         ENGINE SHUTDOWN DUE TO DETONATION.           10/13/2013         2310         0.0         Forced         Maintenance         2         20         UTILITY BREAKER 52U OPERATION.           10/15/2013         1240         0.0         Scheduled         Maintenance         1         5         ENGINE MAINTENANCE - REPLACED LOWER TO DETONATION.           10/17/2013         1405         0.0         Forced         Maintenance         0         25         ENGINE SHUTDOWN DUE TO DETONATION.           10/18/2013         1110         0.0         Forced         Maintenance         1         35         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0850         0.0         Forced         Maintenance         0         10         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0910         0.0         Forced         Maintenan	09/25/2013	1245	0.0	Forced	Maintenance	0	20	
10/10/2013   0530   0.0   Forced   Maintenance   8   5   ENGINE MAINTENANCE - REPLACED GAS SHUT OFF SOLENOID.	00050013	1.425		0.1.1.1	<b>.</b>	١ ,	••	
09/26/2013         0530         0.0         Forced         Maintenance         8         5         ENGINE MAINTENANCE - REPLACED GAS SHUT OFF SOLENOID.           10/10/2013         0317         0.0         Forced         Maintenance         6         50         ENGINE SHUTDOWN DUE TO DETONATION.           10/13/2013         2310         0.0         Forced         Maintenance         2         20         UTILITY BREAKER 52U OPERATION.           10/15/2013         1240         0.0         Scheduled         Maintenance         1         5         ENGINE MAINTENANCE - REPLACED LINE FROM TURBO HOUSING.           10/17/2013         1405         0.0         Forced         Maintenance         0         25         ENGINE SHUTDOWN DUE TO DETONATION.           10/18/2013         1110         0.0         Forced         Maintenance         1         35         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0850         0.0         Forced         Maintenance         0         10         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0910         0.0         Forced         Maintenance         0         50         ENGINE SHUTDOWN DUE TO DETONATION.	09/25/2013	1435	0.0	Scheduled	Maintenance	٠ ا	12	
10/10/2013   0.317   0.0   Forced   Maintenance   6   50   ENGINE SHUTDOWN DUE TO DETONATION.	09/26/2013	0530	0.0	Forced	Maintenance	8	5	
10/13/2013   2310   0.0   Forced   Maintenance   2   20   UTILITY BREAKER 52U OPERATION.					ļ			
10/13/2013         2310         0.0         Forced         Maintenance         2         20         UTILITY BREAKER 52U OPERATION.           10/15/2013         1240         0.0         Scheduled         Maintenance         1         5         ENGINE MAINTENANCE - REPLACED LINE FROM TURBO HOUSING.           10/17/2013         1405         0.0         Forced         Maintenance         0         25         ENGINE SHUTDOWN DUE TO DETONATION.           10/18/2013         1110         0.0         Forced         Maintenance         1         35         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0710         0.0         Forced         Maintenance         0         10         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0910         0.0         Forced         Maintenance         0         50         ENGINE SHUTDOWN DUE TO	10/10/2013	0317	0.0	Forced	Maintenance	6	50	
10/15/2013         1240         0.0         Scheduled         Maintenance         1         5         ENGINE MAINTENANCE - REPLACED LINE FROM TURBO HOUSING.           10/17/2013         1405         0.0         Forced         Maintenance         0         25         ENGINE SHUTDOWN DUE TO DETONATION.           10/18/2013         1110         0.0         Forced         Maintenance         0         5         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0710         0.0         Forced         Maintenance         0         10         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0850         0.0         Forced         Maintenance         0         10         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0910         0.0         Forced         Maintenance         0         50         ENGINE SHUTDOWN DUE TO	10/13/2013	2310	)	Forced	Maintenance	,	20	
10/17/2013   1405   0.0   Forced   Maintenance   0   25   ENGINE SHUTDOWN DUE TO					i			
10/18/2013   1110   0.0   Forced   Maintenance   0   5   ENGINE SHUTDOWN DUE TO DETONATION.		-2.0	0.0				-	
10/18/2013         1110         0.0         Forced         Maintenance         0         5         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0710         0.0         Forced         Maintenance         1         35         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0850         0.0         Forced         Maintenance         0         10         ENGINE SHUTDOWN DUE TO DETONATION.           10/21/2013         0910         0.0         Forced         Maintenance         0         50         ENGINE SHUTDOWN DUE TO	10/17/2013	1405	0.0	Forced	Maintenance	0	25	
10/21/2013   0710   0.0   Forced   Maintenance   1   35   ENGINE SHUTDOWN DUE TO	10/10/000	1110		, .		_	•	l e
10/21/2013   0710   0.0   Forced   Maintenance   1   35   ENGINE SHUTDOWN DUE TO	10/18/2013	1110	0.0	rorced	iviaintenance	ľ	3	
10/21/2013	10/21/2013	0710	0.0	Forced	   Maintenance	1	35	
DETONATION.  10/21/2013 0910 0.0 Forced Maintenance 0 50 ENGINE SHUTDOWN DUE TO	[		[		l			!
10/21/2013 0910 0.0 Forced Maintenance 0 50 ENGINE SHUTDOWN DUE TO	10/21/2013	0850	0.0	Forced	Maintenance	0	10	
10/21/2015 0710 010 101000 Mandelland	10/21/2012	0010	0.0	Forced	Maintenance	_	50	
	10/21/2013	0710	0.0	roiceu	IVIAIIICIIAIICE		50	DETONATION.

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#### Hardin Co. Landfill

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
10/21/2013	1025	0.0	Scheduled	Maintenance	22	15	ENGINE MAINTENANCE - REPLACED TWO HEADS AND COOLANT LINE.
10/22/2013	1225	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO DETONATION.
10/28/2013	1310	0.0	Scheduled	Maintenance	3	0	ENGINE MAINTENANCE - REPLACED COOLANT.
10/29/2013	1015	0.0	Scheduled	Maintenance	0	40	ENGINE MAINTENANCE - CHANGED OIL AND FILTERS.



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#### Hardin Co. Landfill

Unit 003							
	Time	Available	Forced or	}	A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/13/2013	0200	0.0	Forced	Maintenance	2	45	52U UTILITY BREAKER FAULT.
05/15/2013	0805	0.0	Scheduled	Maintenance	2	40	ENGINE MAINTENANCE - SPARK PLUG,
1		]			Ì		VALVES AND OIL MAINTENANCE.
05/23/2013	1247	0.0	Forced	Maintenance	7	35	ENGINE MAINTENANCE - FUEL GAS
		]		1			VALVE SOLENOID FAILED.
05/28/2013	0947	0.0		Maintenance	7	46	SUBSTATION MAINTENANCE.
06/17/2013	1233	0.0	Scheduled	Maintenance	2	7	ENGINE MAINTENANCE - CHANGE OIL
06/21/2013	0904	0.0	Forced	Fuel Outage	4	23	AND FILTERS. RESERVED SHUTDOWN STATE DUE TO
00/21/2013	0904	0.0	rorced	Fuel Outage	4	23	FUEL SUPPLY.
06/24/2013	1302	0.0	Forced	Maintenance	19	52	UTILITY BREAKER 52U OPERATION
00/2 1/2015		""	10.000		'		CAUSED BY STORMS - PLANT DID NOT
					ļ		CALL OUT.
06/26/2013	2233	0.0	Forced	Maintenance	2	15	UTILITY BREAKER 52U OPERATION
			i	ļ			CAUSED BY STORMS.
06/27/2013	2203	0.0	Forced	Maintenance	2	57	SUBSTATION MAINTENANCE.
06/28/2013	0100	0.0	Forced	Maintenance	12	23	ENGINE MAINTENANCE - FAILED TO
07/08/0000				ĺ			START.
07/03/2013	1003	0.0	Scheduled	Maintenance	2	17	ENGINE MAINTENANCE - VALVES AND
07/16/2013	1409	0.0	Scheduled	Maintenance	0	14	SPARK PLUG MAINTENANCE. ENGINE MAINTENANCE - RESET FOR
07/10/2013	1409	0.0	Scheduled	Iviaintenance	١	14	AIR/FUEL RATIO.
07/22/2013	0920	0.0	Scheduled	Maintenance	0	40	ENGINE MAINTENANCE - OIL CHANGE.
08/20/2013	0830	0.0		Maintenance	2	50	ENGINE MAINTENANCE - SERVICE,
08/20/2013	1455	0.0		Maintenance	0	15	ENGINE MAINTENANCE -
00/110/1010					]		TROUBLESHOOT SPARK TRANSFORMER.
08/26/2013	1018	0.0	Scheduled	Maintenance	0	52	ENGINE MAINTENANCE - CHANGE AND
					1		FILTERS.
08/30/2013	1250	0.0	Scheduled	Maintenance	3	40	ENGINE MAINTENANCE - REPLACED NO.
00/01/0010	2100		, ,	ĺ.,	İ .	20	16 CYLINDER HEAD.
08/31/2013	2106	0.0	Forced	Maintenance	2	29	UTILITY BREAKER 52U OPERATION CAUSED BY STORMS.
09/11/2013	1240	0.0	Forced	Fuel Outage	2	45	RESERVED SHUTDOWN STATE DUE TO
07/11/2013	1240		roitea	1 uci Outage	1	43	FUEL SUPPLY.
09/12/2013	0900	0.0	Forced	Fuel Outage	1	55	RESERVED SHUTDOWN STATE DUE TO
		}					FUEL SUPPLY.
09/13/2013	1230	0.0	Forced	Fuel Outage	73	5	RESERVED SHUTDOWN STATE DUE TO
ŀ		{					FUEL SUPPLY.
09/16/2013	1415	0.0	Scheduled	Maintenance	0	10	ENGINE MAINTENANCE - RESET AIR/FUEL
00/17/2010	1150		P 1	\   <b>\/_:</b>	\	1.5	RATIO CONTROL.
09/17/2013	1150	0.0	Forced	Maintenance	0	15	GENERATOR PROTECTIVE RELAY FAULT - DIRECTIONAL POWER FAULT.
09/26/2013	1400	0.0	Scheduled	Maintenance	3	20	ENGINE MAINTENANCE - CHECK FOR
07/20/2013	1400	0.0	Scheduled	Manichalec		20	INTERNAL ENGINE COOLANT LEAKS.
10/02/2013	0600	0.0	Scheduled	Maintenance	10	50	ENGINE MAINTENANCE - REMOVE AND
							CLEAN 16 CYLINDER HEADS.
10/03/2013	0740	0.0	Scheduled	Maintenance	0	45	ENGINE MAINTENANCE - CHANGE OIL.
10/13/2013	2310	0.0	Forced	Maintenance	2	10	UTILITY BREAKER 52U OPERATION.
•		•	•	•	•		•



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#### Pendleton Co. Landfill

<b>Unit 001</b>							
	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
		0.0	P. 1		<del>                                     </del>		
05/06/2013	0338	0.0	Forced	Maintenance	] 1	39	ENGINE SHUTDOWN DUE TO DETONATION.
05/09/2012	0026		Cabadatad	 	١ ,	10	
05/08/2013	0825	0.0	Scheduled	Maintenance	2	10	ENGINE MAINTENANCE - SPARK PLUG
05/09/2012	1220		6.1.1.1.1		١,	1.6	AND VALVE MAINTENANCE,
05/08/2013	1229	0.0	Scheduled	Maintenance	0	15	ENGINE MAINTENANCE - MALFUNCTIONING SPARK PLUG.
05/12/2013	1137	0.0	Forced	Maintenance	26	19	GENERATOR MAINTENANCE - NEUTRAL
03/12/2013	1137	0.0	roiceu	Maintenance	1 20	19	CURRENT TRANSFORMER FAULT.
05/14/2013	1121	0.0	Forced	Fuel Outage	4	17	RESERVED SHUTDOWN STATE DUE TO
03/14/2013	1121	0.0	roiceu	ruei Oulage	"	17	FUEL SUPPLY.
05/14/2013	1613	0.0	Forced	Fuel Outage	l 1	20	RESERVED SHUTDOWN STATE DUE TO
03/14/2013	1015	0.0	Toleca	1 der Odlage		20	FUEL SUPPLY.
05/18/2013	2200	0.0	Forced	Maintenance	. 3	37	UTILITY BREAKER 52U OPERATION.
06/05/2013	0908	0.0		Maintenance		58	ELECTRICAL MAINTENANCE -
00/03/2013	0908	0.0	Scheduled	Maintenance	'	20	FIRE/METHANE ALARM INSPECTION.
06/10/2013	1000	0.0	Scheduled	Maintenance	494	0	ENGINE MAINTENANCE - MAJOR
00/10/2013	1000	0.0	Scheduled	Mannenance	434	U	OVERHAUL.
07/01/2013	0000	0.0	Scheduled	Maintenance	586	23	ENGINE MAINTENANCE - MAJOR
07/01/2013	0000	0.0	Scheduled	Wiamichance	] 300	23	OVERHAUL,
07/25/2013	1026	0.0	Scheduled	Maintenance	0	6	ENGINE MAINTENANCE - TESTING
07/25/2015	1020	0.0	Scheduled	Wantenance	ľ	U	SHUTDOWNS.
07/25/2013	1034	0.0	Scheduled	Maintenance	0	11	ENGINE MAINTENANCE - TESTING
01/20/2010			5055455		ľ	••	SHUTDOWNS.
08/12/2013	1229	0.0	Scheduled	   Maintenance	3	7	FUEL SKID MAINTENANCE - CLEANED
					]		KNOCK OUT PUMP.
08/14/2013	1201	0.0	Forced	Maintenance	26	54	ENGINE MAINTENANCE - LEAKING
		ľ		,			EXHAUST MANIFOLD.
08/18/2013	0919	0.0	Forced	Fuel Outage	1	57	RESERVED SHUTDOWN STATE DUE TO
		ľ .		_			FUEL SUPPLY.
08/25/2013	0858	0.0	Forced	Fuel Outage	2	5	RESERVED SHUTDOWN STATE DUE TO
				J			FUEL SUPPLY.
09/03/2013	1120	0.0	Forced	Fuel Outage	0	36	RESERVED SHUTDOWN STATE DUE TO
		}					FUEL SUPPLY.
09/04/2013	1120	0.0	Forced	Maintenance	1	30	UTILITY BREAKER 52U OPERATION.
09/07/2013	1146	0.0	Forced	Maintenance	4	21	UTILITY BREAKER 52U OPERATION.
09/08/2013	1306	0.0	Forced	Fuel Outage	3	58	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/16/2013	0947	0.0	Scheduled	Maintenance	4	10	ENGINE MAINTENANCE - TUNE UP.
09/17/2013	0925	0.0	Scheduled	Maintenance	1	51	FUEL SKID MAINTENANCE - CHANGED
					[		FILTERS.
10/27/2013	0412	0.0	Forced	Fuel Outage	3	51	RESERVED SHUTDOWN STATE DUE TO
		}					FUEL SUPPLY.
10/27/2013	0831	0.0	Forced	Fuel Outage	26	6	RESERVED SHUTDOWN STATE DUE TO
				i	1		FUEL SUPPLY.
10/30/2013	0423	0.0	Forced	Maintenance	13	50	UTILITY BREAKER 52U OPERATION -
				1			METERING POTENTIAL TRANSFORMERS.
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#### Pendleton Co. Landfill

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/01/2013	0000	0.0	Scheduled	Maintenance	373	38	ENGINE MAINTENANCE - MAJOR OVERHAUL.
05/16/2013	1343	0.0	Scheduled	Maintenance	0	25	ENGINE MAINTENANCE - TESTING AND START UP.
05/16/2013	1532	0.0	Scheduled	Maintenance	0	19	ENGINE MAINTENANCE - TESTING AND START UP.
05/18/2013	2200	0.0	Scheduled	Maintenance	3	56	UTILITY BREAKER 52U OPERATION.
06/05/2013	0909	0.0	Scheduled	Maintenance	1	58	ELECTRICAL MAINTENANCE - FIRE/METHANE ALARM INSPECTION.
06/11/2013	1350	0.0	Scheduled	Maintenance	0	32	RADIATOR MAINTENANCE - CLEANING FINS WITH WATER.
06/13/2013	0755	0.0	Scheduled	Maintenance	2	48	ENGINE MAINTENANCE - MOVING UNIT NO. 1.
06/28/2013	0834	0.0	Scheduled	Maintenance	3	39	ENGINE MAINTENANCE - VALVE ADJUSTMENT.
07/15/2013	0859	0.0	Scheduled	Maintenance	1	55	SUBSTATION MAINTENANCE.
07/23/2013	0749	0.0	Scheduled	Maintenance	2	23	ENGINE MAINTENANCE - MOVING UNIT NO. 1.
08/12/2013	1230	0.0	Scheduled	Maintenance	3	12	FUEL SKID MAINTENANCE - CLEANED KNOCK OUT PUMP.
08/16/2013	1008	0.0	Scheduled	Maintenance	5	0	ENGINE MAINTENANCE.
08/18/2013	0919	0.0	Forced	Fuel Outage	1	48	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/25/2013	0858	0.0	Forced	Fuel Outage	2	12	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/03/2013	1120	0.0	Forced	Fuel Outage	0	46	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/04/2013	1120	0.0	Forced	Maintenance	1	22	UTILITY BREAKER 52U OPERATION.
09/07/2013	I 146	0.0	Forced	Maintenance	4	15	UTILITY BREAKER 52U OPERATION.
09/08/2013	1306	0,0	Forced	Fuel Outage	4	5	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/17/2013	0925	0.0		Maintenance	1	53	FUEL SKID MAINTENANCE - CHANGED FILTERS.
10/01/2013	0926	0.0	Scheduled	Maintenance	4	4	ENGINE MAINTENANCE - TUNE UP.
10/27/2013	0412	0.0	Forced	Fuel Outage	3	55	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/27/2013	0813	0.0	Forced	Fuel Outage	26	17	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/30/2013	0423	0.0	Forced	Maintenance	2	21	UTILITY BREAKER 52U OPERATION - METERING POTENTIAL TRANSFORMERS.
10/30/2013	0734	0.0	Forced	Maintenance	10	13	UTILITY BREAKER 52U OPERATION - METERING POTENTIAL TRANSFORMERS.



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#### Pendleton Co. Landfill

<u>Unit 003</u>							
	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/07/2013	0819	0.0	Scheduled	Maintenance	7	41	ENGINE MAINTENANCE - REPLACE TWO CYLINDER HEADS, SPARK PLUG AND VALVE MAINTENANCE.
05/11/2013	0821	0.0	Forced	Maintenance	2	46	ENGINE SHUTDOWN DUE TO DETONATION.
05/13/2013	0814	0.0	Scheduled	Maintenance	3	4	ENGINE MAINTENANCE - REINSTALLING UNIT NO. 2.
05/14/2013	1121	0.0	Forced	Fuel Outage	4	12	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
05/14/2013	1613	0.0	Forced	Fuel Outage	1	12	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
05/18/2013	2200	0.0	Forced	Maintenance	3	54	UTILITY BREAKER 52U OPERATION.
06/05/2013	0908	0.0	Scheduled	Maintenance	1	59	ELECTRICAL MAINTENANCE - FIRE/METHANE ALARM INSPECTION.
06/06/2013	0852	0.0		Maintenance	3	5	ENGINE MAINTENANCE - REPLACED CYLINDER HEAD DUE TO BURNT VALVE.
06/11/2013	1211	0.0		Maintenance	0	38	RADIATOR MAINTENANCE - CLEANING FINS WITH WATER.
06/13/2013	0754	0.0	Scheduled	Maintenance	2	49	ENGINE MAINTENANCE - MOVING UNIT NO. 1.
06/24/2013	0501	0.0	Scheduled	Maintenance	4	0	ENGINE MAINTENANCE - TUNE UP.
06/24/2013	0901	0.0	Forced Forced	Maintenance  Maintenance	4	30	ENGINE SHUTDOWN DUE TO DETONATION - BURNT VALVE, REPLACED CYLINDER HEAD. ENGINE MAINTENANCE - BURNT VALVE
07/15/2013	0859	0.0	Scheduled	Maintenance	2	33 48	REPLACED CYLINDER HEAD. SUBSTATION MAINTENANCE.
	0839	<b>,</b>			1	- <del>-</del>	
07/23/2013		0.0	Scheduled	Maintenance	2	18	ENGINE MAINTENANCE - MOVING UNIT NO. 1.
07/29/2013	1045	0.0	Forced	Maintenance	2	48	ENGINE MAINTENANCE - REPLACED CYLINDER HEAD DUE TO BURNT VALVE.
07/31/2013	0527	0.0	Forced	Maintenance	5	8	ENGINE SHUTDOWN DUE TO DETONATION. ENOUGH SHUTDOWN DUE TO
07/31/2013	1041	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO DETONATION. ENCINE MADITENANCE, REPLACED
07/31/2013	1120	0.0		Maintenance	2	53	ENGINE MAINTENANCE - REPLACED CYLINDER HEAD DUE TO BURNT VALVE.
08/05/2013	0812	0.0	Scheduled	Maintenance	77	49	ENGINE MAINTENANCE - IN FRAME.
08/08/2013	1426	0.0	Scheduled	Maintenance	2	9	ENGINE MAINTENANCE - PULLED HEAD FOR INSPECTION.
08/12/2013	1230	0.0		Maintenance	2	23	FUEL SKID MAINTENANCE - CLEANED KNOCK OUT PUMP.
08/18/2013	0919	0.0	Forced	Fuel Outage	1	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/25/2013	0858	0.0	Forced	Fuel Outage	2	16	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
09/03/2013	1120	0.0	Forced	Fuel Outage	0	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.

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#### Pendleton Co. Landfill

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual Hours Minutes		Cause or Reason
09/04/2013	1120	0.0	Forced	Maintenance	1	18	UTILITY BREAKER 52U OPERATION.
09/07/2013	1146	0.0	Forced	Maintenance	4	27	UTILITY BREAKER 52U OPERATION.
09/08/2013	1306	0.0	Forced	Fuel Outage	4	7	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/17/2013	0925	0.0	Scheduled	Maintenance	1	57	FUEL SKID MAINTENANCE - CHANGED
							FILTERS.
09/23/2013	0959	0.0	Scheduled	Maintenance	5	37	ENGINE MAINTENANCE - TUNE UP AND
00/00/0040							REPAIR OTHER MECHANICAL PROBLEMS.
09/28/2013	1955	0.0	Forced	Maintenance	39	10	ELECTRICAL MAINTENANCE - CHANGE
	0.410					_	OUT POTENTIAL TRANSFORMER.
10/27/2013	0412	0.0	Forced	Fuel Outage	4	3	RESERVED SHUTDOWN STATE DUE TO
10/27/2013	0818	0.0	ъ,	T. 10.		20	FUEL SUPPLY.
10/2//2013	0010	0.0	Forced	Fuel Outage	26	20	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
10/30/2013	0423	0.0	Forced	Maintenance	2	24	UTILITY BREAKER 52U OPERATION -
10,50/2015	0423	0.0	1 01000	Mannenance		24	METERING POTENTIAL TRANSFORMERS.
10/30/2013	0734	0.0	Forced	Maintenance	9	59	UTILITY BREAKER 52U OPERATION -
20,20,2015	5751	0.0	101000	1. Iumiciano		37	METERING POTENTIAL TRANSFORMERS.



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#### Pendleton Co. Landfill

Unit 004							
	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/13/2013	0815	0.0	Scheduled	Maintenance	3	0	ENGINE MAINTENANCE - REINSTALLING
03/13/2013	0813	0.0	Scheduled	Maintenance	,	U	UNIT NO. 2.
05/14/2013	1121	0.0	Forced	Fuel Outage	4	12	RESERVED SHUTDOWN STATE DUE TO
03/14/2013	1121	0.0	Torcca	1 del Odiage	( '	12	FUEL SUPPLY.
05/14/2013	1613	0.0	Forced	Fuel Outage	l 1	11	RESERVED SHUTDOWN STATE DUE TO
				]	ĺ		FUEL SUPPLY.
05/18/2013	2200	0.0	Forced	Maintenance	3	54	UTILITY BREAKER 52U OPERATION.
06/05/2013	0841	0.0	Scheduled	Maintenance	5	25	ENGINE MAINTENANCE - SPARK PLUGS,
			,		Į.		VALVES AND OIL SERVICE.
06/11/2013	1136	0.0	Scheduled	Maintenance	0	36	RADIATOR MAINTENANCE - CLEANING
				1	1		FINS WITH WATER.
06/13/2013	0755	0.0	Scheduled	Maintenance	2	55	ENGINE MAINTENANCE - MOVING UNIT
05/15/2012	0050		01111		Ι.		NO. I.
07/15/2013	0859	0.0		Maintenance	1	37	SUBSTATION MAINTENANCE.
07/22/2013	1045	0.0	Scheduled	Maintenance	1	10	ENGINE MAINTENANCE - SPARK PLUGS, VALVES AND OIL SERVICE.
07/23/2013	0749	0.0	Scheduled	Maintenance	2	16	ENGINE MAINTENANCE - MOVING UNIT
01/23/2013	0/43	0.0	Scheduled	Iviannenance	]	10	NO. 1.
08/12/2013	1230	0.0	Scheduled	Maintenance	2	20	FUEL SKID MAINTENANCE - CLEANED
00,12,2015		5.0			\		KNOCK OUT PUMP.
08/18/2013	0919	0.0	Forced	Fuel Outage	1	45	RESERVED SHUTDOWN STATE DUE TO
ł	1				l		FUEL SUPPLY.
08/25/2013	0858	0.0	Forced	Fuel Outage	2	26	RESERVED SHUTDOWN STATE DUE TO
							FUEL SUPPLY.
09/03/2013	1120	0.0	Forced	Fuel Outage	0	37	RESERVED SHUTDOWN STATE DUE TO
0010410040					1 .		FUEL SUPPLY.
09/04/2013	1120	0.0	Forced	Maintenance	1	11	UTILITY BREAKER 52U OPERATION.
09/06/2013	0812	0.0	Scheduled	Maintenance	4	28	ENGINE MAINTENANCE.
09/07/2013	1146	0.0	Forced	Maintenance	4	36	UTILITY BREAKER 52U OPERATION.
09/08/2013	1306	0.0	Forced	Fuel Outage	4	25	RESERVED SHUTDOWN STATE DUE TO
09/17/2013	0926	0.0	Scheduled	Maintenance	2	0	FUEL SUPPLY. FUEL SKID MAINTENANCE - CHANGED
09/11/2013	0920	0.0	Scheduled	iviannenance		U	FILTERS.
10/07/2013	0615	0.0	Forced	Maintenance	1	45	ENGINE SHUTDOWN DUE TO
10,0,,2015	0015		10.000		i -		DETONATION.
10/21/2013	0930	0.0	Scheduled	Maintenance	4	12	ENGINE MAINTENANCE - TUNE UP.
10/22/2013	0810	0.0		Maintenance	6	10	ENGINE MAINTENANCE - REPLACED TWO
					1		CYLINDER HEADS.
10/27/2013	0412	0.0	Forced	Fuel Outage	30	18	RESERVED SHUTDOWN STATE DUE TO
Į.				Į.	ļ		FUEL SUPPLY.
10/30/2013	0423	0.0	Forced	Maintenance	2	23	UTILITY BREAKER 52U OPERATION -
10/00/2015	0=01		<u>.</u> .	<b>.</b>	_		METERING POTENTIAL TRANSFORMERS.
10/30/2013	0734	0.0	Forced	Maintenance	9	55	UTILITY BREAKER 52U OPERATION - METERING POTENTIAL TRANSFORMERS.
							WILLEAMO FOTENTIAL TRANSFORMERS.

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#### Mason Co. Landfill

	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
05/01/2013	0000	0.0	Forced	Fuel Outage	744	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
06/01/2013	0000	0.0	Forced	Fuel Outage	720	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
07/01/2013	0000	0.0	Forced	Fuel Outage	0	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
08/01/2013	0000	0.0	Forced	Fuel Outage	744	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 8

**RESPONSIBLE PARTY:** 

Mark Horn

Request 8. List all existing fuel contracts categorized as long-term (i.e., one year or more in length). Provide the following information for each contract:

- a. Supplier's name and address;
- b. Name and location of production facility;
- c. Date when contract was executed;
- d. Duration of contract;
- e. Date(s) of each contract revision, modification, or amendment;
- f. Annual tonnage requirements;
- g. Actual annual tonnage received since the contract's inception;
- h. Percent of annual requirements received during the contract's term;
- i. Base price in dollars per ton;
- j. Total amount of price escalations to date in dollars per ton; and
- k. Current price paid for coal under the contract in dollars per ton (i + j).

Response 8a-k. Please see pages 2 through 8 of this response.

#### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

(a)	(b)	(c)	(d)	(e)	(f) Annual	(g) Actual Annual Tonnage Rec'd	(h)	(i)	(j)	(k)
Supplier	Production Facility	Contract Date	Duration of Contract	Revisions or Amendments	Tonnage Required Through 12/13	Since Inception of Contract Through 12/13	% of Annual Requirements Received	Base Price \$/Ton	Total Amt. of Price Escalations to Date	Current Price Paid for Coal (i&j)
Long Term:										
<u>Dale Station</u> Perry County Coal Corp. 200 Allison Blvd. Corbin, KY 40701	Perry Co. Coal Corp. Perry, KY	12/01/09	4 Yrs.	Letter 05/03/11 Letter 06/21/11 Letter 09/30/11 Amendment 1 10/03/11 Letter 12/13/11 Letter 08/16/13	240,000—20 240,000—20	010—232,788.12 011—247,202.70 012—242,285.21 013—233,913.15	97% 103% 101% 97%	\$76.75	\$17.20/Ton	\$93.95/Ton
Cooper Station  B & W Resources, Inc. 849 S. Highway 11  Manchester, KY 40962	B & W Resources Manchester Loadout	11/10/09	7 Yrs.	Letter 04/12/11 Letter 05/19/11 Letter 06/20/11 Amendment 1 09/06/11 Letter 09/12/11 Letter 12/12/11 Letter 12/13/11 Letter 01/09/12 Letter 01/25/12 Letter 02/17/12 Letter 04/02/12 Amendment 2 06/07/12 Letter 11/28/12 Letter 12/18/13	240,000—20 29,000—20	110—233,890.92 111—237,480.36 112— 50,691.62 113— 94,421.01	97% 99% 175% 81%	\$64.056	\$18.9072/Ton	\$82.9632/Ton

#### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

(a)	(b)	(c)	(d)	(e)	(f) Ammont	(g) Actual Annual Tannaga Basid	(h)	(i)	(j)	(k)
Supplier	Production Facility	Contract Date	Duration of Contract	Revisions or Amendments	Annual Tonnage Required Through 12/13	Tonnage Rec'd Since Inception of Contract Through 12/13	% of Annual Requirements Received	Base Price S/Ton	Total Amt. of Price Escalations to Date	Current Price Paid for Coal (i&j)
Cooper Station (Continu	ed)									
Jamieson Construction 30 Jamieson Lane London, KY 40744	Jamieson Constr. Bell, KY	05/11/10	3 Yrs. 6 Mos.	Amendment I 06/21/10 Amendment 2 07/08/10 Amendment 3 09/07/11 Amendment 4 10/28/11 Letter 04/04/12 Letter 04/12/12 Letter 05/21/12 Letter 05/31/12 Amendment 5 02/01/13 Letter 08/16/13	96,000—20 94,460—20	010— 48,383.56 011—119,763.27 012— 79,250.26 013— 39,098.91	101% 125% 84% 85%	\$72.0044	\$12.30226/Ton	\$84.30666/Ton

#### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

(b)	(c)	(d)	(e)	<b>(1)</b>	(g) Actual Annual	(h)	(i)	(i)	(k)
				Annual Tonnage	Tonnage Rec'd	% of		Total Amt	Current
		Duration	Revisions				Base		Price Paid
Production	Contract	of	or	Through	Through	Requirements	Price	Escalations	for
Facility	Date	Contract	Amendments	12/13	12/13	Received	\$/Ton	to Date	Coal (i&j)
Daron-Ligget Harrison, OH Barnesville Belmont, OH	11/09/04	14 Yrs.	Letter 01/03/05 Letter 08/29/05 Letter 02/16/07 Letter 03/28/07 Amendment 1 10/02/07 Amendment 2 08/27/08 Letter 01/08/09 Letter 05/11/09 Letter 05/11/09 Letter 06/01/12 Letter 07/03/12 Amendment 3 10/15/12 Letter 04/10/13 Letter 08/08/13 Letter 11/13/13 Letter 11/13/13	240,000—20 240,000—20 262,000—20 600,000—20 600,000—20 600,000—20	006—276,719.00 007—279,440.00 008—193,067.00 009—653,474.00 010—643,247.00 011—524,574.00 012—673,504.00	64% 116% 116% 74% 109% 107% 87% 112% 93%	\$25.002	\$16.92184/Ton	\$41.92384/Ton
Whigville, West Fork, & Ullman Noble, OH	07/03/08	6 Yrs. 1 Mo.	Letter 05/11/09 Letter 06/01/09 Letter 01/04/10 Amendment 1 02/02/11 Letter 04/25/11 Letter 05/20/11 Letter 05/20/11 Letter 06/07/11 Amendment 2 01/26/12 Letter 06/13/12 Letter 07/03/12 Letter 07/03/12 Letter 12/18/12 Letter 04/09/13 Letter 04/10/13 Letter 08/08/13 Letter 11/13/13 Letter 11/13/13 Letter 12/18/13	354,000—20 354,000—20 230,100—20 194,700—20	009—345,522.00 010—382,891.00 011—226,692.00 012—199,260.00	93% 98% 108% 99% 102% 106%	\$39.0054	\$3.43878/Ton	\$42.44418/Ton +\$1/Ton Surchg PSC Request 8 Page 4 of 8
	Production Facility  Daron-Ligget Harrison, OH Barnesville Belmont, OH  Whigville, West Fork, & Ullman	Production Contract Facility Date  Daron-Ligget 11/09/04  Harrison, OH Barnesville Belmont, OH  Whigville, West Fork, & Ullman	Production Contract Date Contract  Daron-Ligget 11/09/04 14 Yrs.  Harrison, OH Barnesville Belmont, OH  Whigville, West 07/03/08 6 Yrs. Fork, & Ullman 1 Mo.	Production   Contract   Duration   of   Amendments	Production   Facility   Date   Duration of or Amendments   Tonnage   Required Through   Through   12/13   Through   12/13   Daron-Ligget   11/09/04   14 Yrs.   Letter 01/03/05   180,000—26   Letter 03/28/07   240,000—26   Letter 03/28/07   262,000—26   Letter 03/28/07   262,000—26   Letter 03/28/07   600,000—26   Letter 05/18/09   Letter 05/18/09   Letter 05/18/09   Letter 05/18/09   Letter 05/18/12   Letter 05/18/12   Letter 05/18/12   Letter 06/03/12   Letter 06/03/12   Letter 06/03/12   Letter 08/08/13   Letter 11/23/13   Letter 11/23/13   Letter 11/23/13   Letter 11/23/13   Letter 08/03/13   Letter 12/18/13   Letter 12/18/13   Letter 12/18/13   Letter 12/18/13   Letter 12/18/13   Letter 12/18/13   Letter 08/03/13   Letter 12/18/13   Letter 08/03/13   Letter 08/03/13   Letter 12/18/13   Letter 08/03/13   L	Production   Facility   Duration   Facility   Duration   Of Contract   Duration of contract   Tonnage Review   Contract   Tonnage Review   Contract   Through   Thro	Production   Pro	Production   Facility   Duration   Facility   Duration   Facility   Duration   Facility   Duration   Facility   Duration   Officer   Contract	Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Production   Proceedings   Price

#### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

(a)	(b)	(c)	(d)	(e)	<b>(f)</b>	(g) Actual Annual	(h)	(i)	<b>(j)</b>	(k)
Supplier	Production Facility	Contract Date	Duration of Contract	Revisions or Amendments	Annual Tonnage Required Through 12/13	Tonnage Rec'd Since Inception of Contract Through 12/13	% of Annual Requirements Received	Base Price S/Ton	Total Amt. of Price Escalations to Date	Current Price Paid for Coal (i&j)
Spurlock Station (Contine Williamson Energy, LLC 3801 PGA Blvd., Ste. 903 Palm Beach Gardens, FL 33410	ued) Pond Creek Mach Mining Williamson, IL	08/19/08	9 Yrs.	Letter 08/19/10 Letter 08/18/11 Letter 08/23/11 Letter 08/29/11 Letter 09/08/11 Letter 09/15/11 Letter 11/2/11 Letter 03/15/12 Amendment 1 05/01/13	240,000—20 240,000—20 240,000—20	009—215,372.00 010—229,670.00 011—245,378.00 012—223,085.00 013—254,791.00	98% 96% 102% 93% 106%	\$48.001	\$10.999/Ton	\$59.00/Ton
Oxford Mining Co. 544 Chestnut Street P. O. Box 427 Coshocton, OH 43812 (Scrubber Contract 504)	Daron-Ligget Harrison, OH Barnesville, Wheeling Valley Mine-Belmont, OH	08/27/08	12 Yrs. 5 Mos.	Letter 10/21/08 Letter 05/11/09 Letter 06/01/09 Letter 11/23/09 Letter 05/27/10 Letter 08/18/10 Amendment 1 09/14/10 Letter 07/31/12 Amendment 2 08/28/12 Letter 12/18/13	360,000—20 360,000—20 360,000—20 360,000—20	008— 60,232.00 009—379,854.00 010—356,061.00 011—357,032.00 012—341,247.00 013—391,445.00	80% 106% 99% 99% 95% 109%	\$51.502	(\$7.20152)/Ton	\$44.30048/Ton

#### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

(a)	(b)	(c)	(d)  Duration	(e) Revisions	(f) Annual Tonnage Required	(g) Actual Annual Tonnage Rec'd Since Inception of Contract	(h) % of Annual	(i) Base	(j) Total Amt. of Price	(k) Current Price Paid
Supplier	Production Facility	ContractDate	of <u>Contract</u>	or Amendments	Through 12/13	Through 12/13	Requirements Received	Price S/Ton	Escalations to Date	for Coal (i&j)
Spurlock Station (Contine White County Coal, LLC 1717 S. Boulder Avenue Tulsa, OK 74119	ued) Pattiki White, IL	09/11/08	8 Yrs.	Letter 05/11/09 Amendment 1 05/22/09 Letter 06/01/09 Letter 05/17/10 Letter 08/18/10 Amendment 2 11/15/10 Letter 12/09/10 Letter 02/15/11 Letter 03/07/11 Letter 06/03/11 Letter 08/18/11 Letter 08/23/11 Letter 08/29/11 Letter 06/12/12 Amendment 3 03/06/13 Letter 03/02/13 Letter 04/17/13	240,000—20 240,000—20 240,000—20	009—234,705.00 010—242,366.00 011—252,479.00 012—226,176.00 013—240,373.00	98% 101% 105% 94% 100%	\$71.99	(\$18.49)/Ton	\$53.50/Ton
Peabody COALSALES 701 Market St. St. Louis, MO 63101 (Contract No. 514)	Somerville Mine Oakland City, IN	07/07/10	3 Yrs.	Letter 01/03/11 Letter 04/02/12 Letter 11/13/13	348,000-20	11—173,307.00 12—353,531.00 13—374,564.00	96% 102% 101%	\$45.4498	\$7.7968/Ton	\$53.2466/Ton

#### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

(a)	(b)	(c)	(d)	(e)	(f) Annual	(g) Actual Annual Tonnage Rec'd	(h)	(i)	(j)	(k)
Supplier	Production Facility	Contract Date	Duration of Contract	Revisions or Amendments	Tonnage Required Through 12/13	Since Inception of Contract Through 12/13	% of Annual Requirements Received	Base Price \$/Ton	Total Amt. of Price Escalations to Date	Current Price Paid for Coal (i&j)
Spurlock Station (Contin American Energy Corp. 43521 Mayhugh Hill Rd. Beallsville, OH 43716	ued) American Coal Corp. Saline, IL	09/13/10	6 Yrs.	Letter 12/15/10 Letter 01/11/11 Letter 03/24/11 Letter 09/13/11 Letter 09/21/11 Letter 09/22/11 Letter 09/29/11 Letter 10/06/11 Letter 10/17/11 Letter 06/12/12 Letter 07/31/12 Letter 07/31/12 Letter 02/16/13 Letter 08/15/13 Letter 08/28/13	360,000—20	011—148,103.00 012—308,681.00 013—378,968.00	123% 86% 105%	\$46.18048	\$2.8202/Ton	\$49.00068/Ton
Armstrong Coal Co., Inc. Suite 1000 7701 Forsyth Blvd. St. Louis, MO 63105 (Contract No. 520)	Armstrong Coal Ohio, KY	07/07/11	3 Yrs.			012— 71,532.00 013—283,828.00	79% 105%	\$42.2016	\$3.05088/Ton	\$45.25248/Ton

#### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

<b>(a)</b>	(b)	(c)	(d)	(e)	<b>(1)</b>	(g) Actual Annual	(h)	(i)	(j)	(k)
Supplier	Production Facility	Contract Date	Duration of Contract	Revisions or Amendments	Annual Tonnage Required Through 12/13	Tonnage Rec'd Since Inception of Contract Through 12/13	% of Annual Requirements Received	Base Price \$/Ton	Total Amt. of Price Escalations to Date	Current Price Paid for Coal (i&j)
Spurlock Station (Contin Patriot Coal Sales Suite 400 12312 Olive Blvd. St. Louis, MO 63141	ued) Highland #9 Union, KY	07/07/11	3 Yrs.	Amendment 1 12/19/11 Letter 03/16/12 Letter 04/02/12 Letter 01/03/13 Letter 01/11/13 Letter 01/16/13 Letter 01/24/13 Letter 03/27/13 Letter 08/20/13 Letter 08/20/13 Letter 09/10/13	•	012—200,136.00 013—378,754.00	96% 99%	\$51.0002	\$1.1247/Ton	\$52.1249/Ton
Peabody COALSALES 701 Market St. St. Louis, MO 63101 (Contract No. 822)	Somerville Mine, Wild Boar Oakland City, IN	12/12/12	2 Yrs.	Letter 04/10/13 Letter 08/08/13 Letter 09/04/13 Letter 12/23/13	360,000—20	013—348,302.00	97%	\$39.49942	\$0.1962/Ton	\$39.69562/Ton
B & N Coal, Inc. P. O. Box 100 Dexter City, OH 45727 (Contract No. 824)	Whigville, West Fork, & Ullman Noble, OH	12/14/12	3 Yrs. 2 Mos.	Letter 04/10/13 Letter 08/08/13 Letter 11/13/13 Letter 12/23/13	207,000—20	013—203,489.00	98%	\$40.0044	(\$0.55056)/Ton	\$39.45384/Ton

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 9

RESPONSIBLE PARTY: Mark Horn

Request 9. a. State whether East Kentucky regularly compares the price of its coal purchases to those paid by other electric utilities.

- b. If yes, state:
- (1) How East Kentucky's prices compare with those of other utilities for the review period. Include all prices used in the comparison in cents per MMbtu.
- (2) The utilities that are included in this comparison and their locations.
- Response 9. a. Each month East Kentucky compares the price of its coal purchases on a delivered basis against the price that 18 other utilities within the region are paying for coal.
- b. (1-2) The most recent data available for comparison is for September 2013. East Kentucky ranked 9<sup>th</sup> on a delivered basis for September 2013. Please see the table on page 2 of this response.

Year/Month	Name	Delivered Fuel Price Cents/MMBtu
2013-09	Duke Energy Ohio	189.98
2013-09	Dayton Power & Light	218.00
2013-09	Allegheny Energy Supply	227.91
2013-09	Tennessee Valley Authority	229.90
2013-09	Kentucky Utilities	230.25
2013-09	Louisville Gas & Electric	231.73
2013-09	Southern Indiana Gas & Elec	242.23
2013-09	Hoosier Energy REC	245.48
2013-09	East Kentucky Power Coop	247.81
2013-09	Consumers Energy	259.21
2013-09	Appalachian Power	288.85
2013-09	Virginia Electric & Power	289.17
2013-09	Georgia Power	302.21
2013-09	Kentucky Power	319.99
2013-09	Progress Energy Carolinas	375.65
2013-09	S. Mississippi Electric Power	379.00
2013-09	S. Carolina Electric & Gas	400.84
2013-09	Duke Energy Carolinas	405.80
2013-09	South Carolina Generating	448.48

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 10

**RESPONSIBLE PARTY:** Mark Horn

Request 10. State the percentage of East Kentucky's coal, as of the date of this Order, that is delivered by:

- a. Rail;
- b. Truck; or
- c. Barge.

#### Response 10.

- a. Rail = 0%;
- b. Truck = 13%;
- c. Barge = 87%

# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 11

**RESPONSIBLE PARTY:** Mark Horn

Request 11a. State East Kentucky's coal inventory level in tons and in number of days' supply as of October 31, 2013. Provide this information by generating station and in the aggregate.

Response 11a. East Kentucky's coal inventory level as of October 31, 2013, was 1,065,274 tons—48 days' supply. By power station the levels are as follows:

	<u>Tons</u>	<u>Days</u>
Dale	28,976	12
Cooper	202,971	56
Spurlock	833,327	51

Request 11b. Describe the criteria used to determine number of days' supply.

Response 11b. Number of days' supply is determined by actual tons in inventory divided by the total maximum daily usage for East Kentucky's generating units.

Request 11c. Compare East Kentucky's coal inventory as of October 31, 2013 to its inventory target for that date for each plant and for total inventory.

Response 11c. East Kentucky's coal inventory as of October 31, 2013, exceeded its target range of 25-40 days' supply by eight days. The Dale Power Station inventory was lower than its target range of 25-40 days' supply by 13 days. The Cooper Power Station inventory was higher than its target range of 25-40 days' supply by 16 days. The Spurlock Power Station inventory was higher than its range of 25-40 days' supply by 11 days.

Request 11d. If actual coal inventory exceeds inventory target by 10 days' supply, state the reasons for the excessive inventory.

Response 11d. East Kentucky's system inventory did not exceed its target range by more than ten days. Its Cooper Power Station inventory exceeded its target by 16 days due to lower than expected coal generation. As of February 10, 2014, Cooper Power Station is within its target range. Spurlock Power Station exceeded its target by 11 days due to lower than expected generation. As of February 10, 2014, Spurlock Power Station is only three days over its target range.

- Request 11e. (1) State whether East Kentucky expects any significant changes in its current coal inventory target within the next 12 months.
- (2) If yes, state the expected change and the reasons for this change.
- Response 11e. (1-2) East Kentucky does not expect significant changes in its current coal inventory target within the next 12 months.

# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

### COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 12

**RESPONSIBLE PARTY:** Mark Horn

Request 12. a. State whether East Kentucky has audited any of its coal contracts during the period from May 1, 2013 through October 31, 2013.

- b. If yes, for each audited contract:
  - (1) Identify the contract;
  - (2) Identify the auditor;
  - (3) State the results of the audit; and
  - (4) Describe the actions that East Kentucky took as a result

of the audit.

Response 12a-b. East Kentucky has not conducted any audits of coal contracts during the period under review. East Kentucky does review financials and conducts thorough mine visits and mining permit reviews before entering into term agreements with coal suppliers. East Kentucky also audits requests from coal companies for compensation from Governmental Impositions stemming from the Mine Improvement and New Energy Response Act of 2006 (MINER Act).

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

### COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 13

**RESPONSIBLE PARTY:** Patrick C. Woods

Request 13. a. State whether East Kentucky has received any customer complaints regarding its FAC during the period from May 1, 2013 through October 31, 2013.

- b. If yes, for each complaint, state:
  - (1) The nature of the complaint; and
  - (2) East Kentucky's response.

Response 13a-b. East Kentucky has not received any customer complaints regarding the FAC during the period from May 1, 2013 to October 31, 2013.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

### COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 14

RESPONSIBLE PARTY: Mark Horn

Request 14. a. State whether East Kentucky is currently involved in any litigation with its current or former coal suppliers.

Response 14a. East Kentucky is currently involved in litigation with one coal supplier.

Request 14b(1). If yes, for each litigation, identify the coal supplier;

Response 14b(1). Appalachian Fuels, LLC ("Appalachian").

Request 14b(2). If yes, for each litigation, identify the coal contract involved.

Response 14b(2). The coal contract involved between East Kentucky and Appalachian is dated December 4, 2001, and subsequent amendments thereto for coal to be delivered to Spurlock Power Station Unit Nos. 1 and 2.

Request 14b(3). If yes, for each litigation, state the potential liability or recovery to East Kentucky;

Response 14b(3). The potential liability of Appalachian to East Kentucky is \$24,400,015 plus pre-judgment and pre-petition interest and continuing.

**Request 14b(4).** If yes, for each litigation, list the issues presented.

Response 14b(4). The issues presented regarding Appalachian are (a) whether Appalachian breached its agreement to deliver coal to East Kentucky's Spurlock Power Station and (b) whether Appalachian breached its agreement to provide a performance bond to provide further security to East Kentucky in the event of default or failure to deliver.

Request 14b(5). If yes, provide a copy of the complaint or other legal pleading that initiated the litigation and any answers or counterclaims. If a copy has previously been filed with the Commission, provide the date on which it was filed and the case in which it was filed.

Response 14b(5). The Complaint with Appalachian was previously filed on September 12, 2008, in Case No. 2008-00284, and the Corrected Answer was previously filed on February 11, 2009, in Case No. 2008-00519. In addition, East Kentucky previously filed a proof of claim in Appalachian's bankruptcy proceeding on September 10, 2009, in Case No. 2009-00286.

Request 14c. State the current status of all litigation with coal suppliers.

Response 14c. East Kentucky filed a motion for partial summary judgment in March of 2008 in the Clark Circuit Court proceeding against Appalachian. While that motion was pending, Appalachian made an assignment for benefit of creditors on May 26, 2009. On June 11, 2009, certain creditors of Appalachian placed Appalachian in involuntary bankruptcy. East Kentucky filed a proof of claim in that proceeding, which is described in Item 24 (b)(5) above. The bankruptcy stayed in the Clark Circuit Court, and East Kentucky is pursuing its claims against Appalachian in the bankruptcy proceeding. A plan was proposed in the bankruptcy proceeding and has been approved. This plan was provided to the Commission on October 25, 2012 in Case No. 2012-00319. The Bankruptcy Court enlarged the time period by which the Trustee may object to claims until July 3, 2014.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

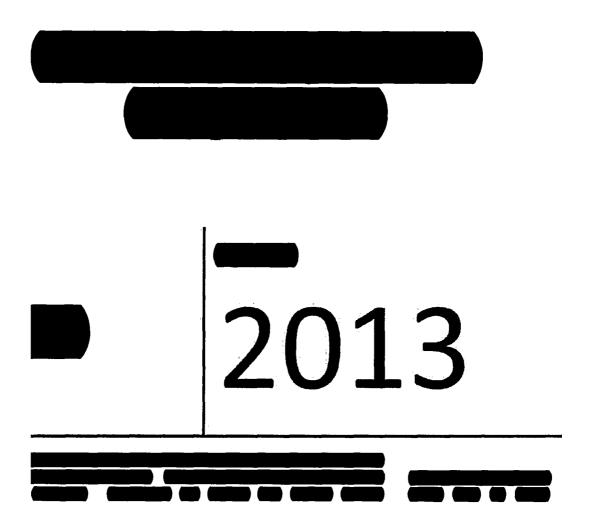
### COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 15

RESPONSIBLE PARTY: Mark Horn

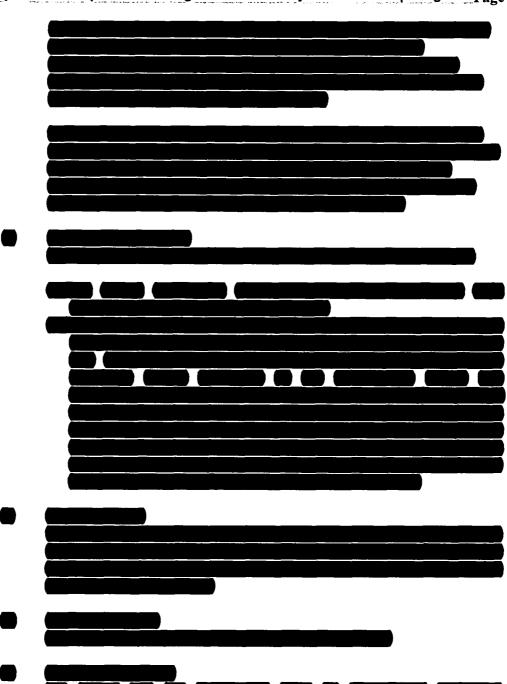
Request 15. a. During the period from May 1, 2013 through October 31, 2013, have there been any changes to East Kentucky's written policies and procedures regarding its fuel procurement?

- b. If yes:
  - (1) Describe the changes;
  - (2) Provide the written policies and procedures as changed;
  - (3) State the date(s) the changes were made; and
  - (4) Explain why the changes were made.
- c. If no, provide the date East Kentucky's current fuel procurement policies and procedures were last changed, when they were last provided to the Commission, and identify the proceeding in which they were provided.

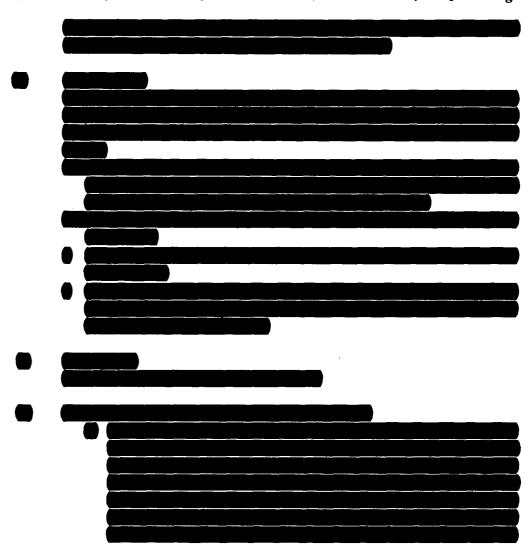
Response 15a-c. On September 27, 2013, East Kentucky's CEO updated Administrative Policy No. AO31, Internal Delegation of Authority. This new internal policy was originally adopted on April 22, 2013, and has not been reported to the Commission in previous cases. A redacted copy of this policy is provided on pages 2 through 23 of this response. An unredacted copy is filed under seal along with a motion for confidential treatment of same.



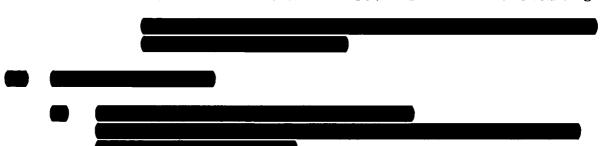
PSC Request 15 2 | Page Page 3 of 23 East Kentucky Power Cooperative: Delegation of Authority



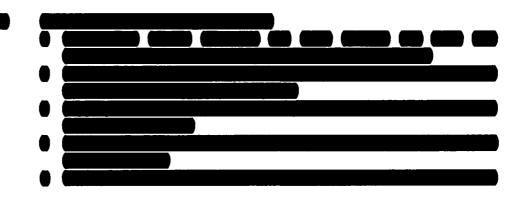
PSC Request 15 4 | Page Page 5 of 23



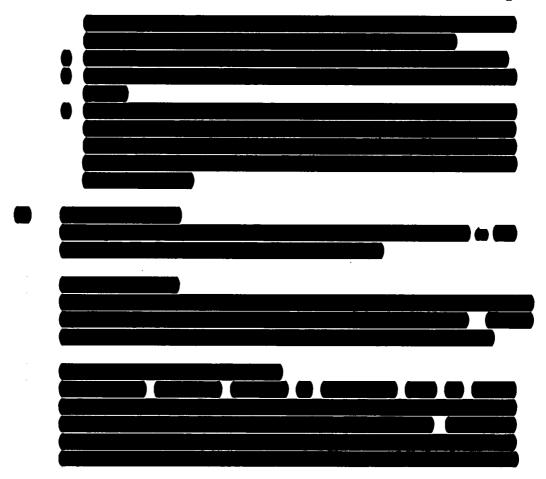
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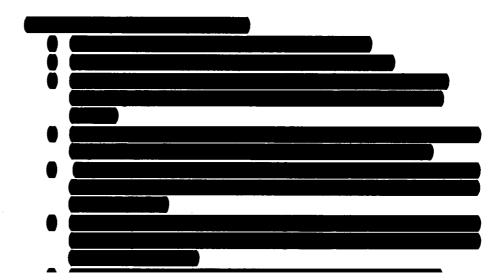
PSC Request 15 6 | Page Page 7 of 23



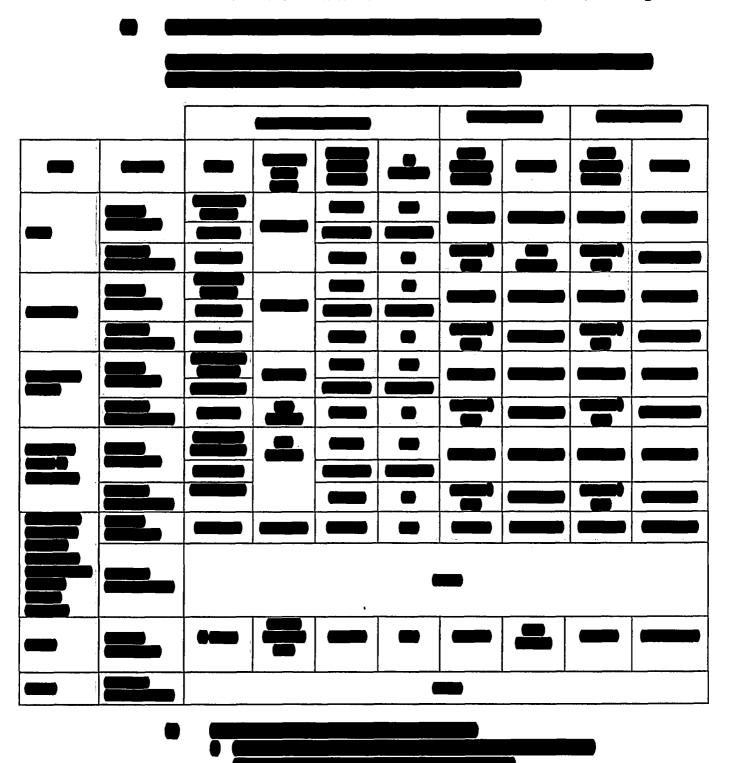
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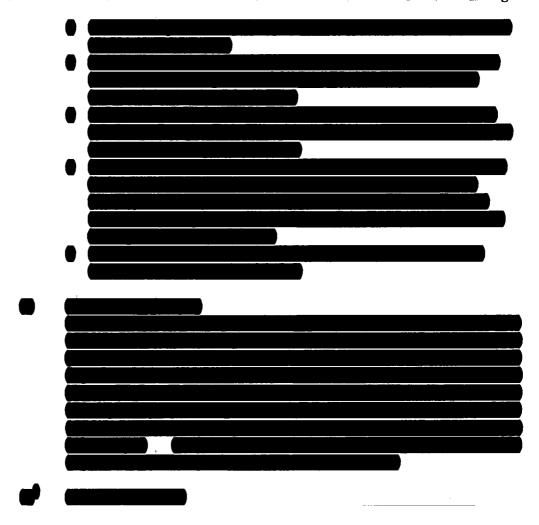
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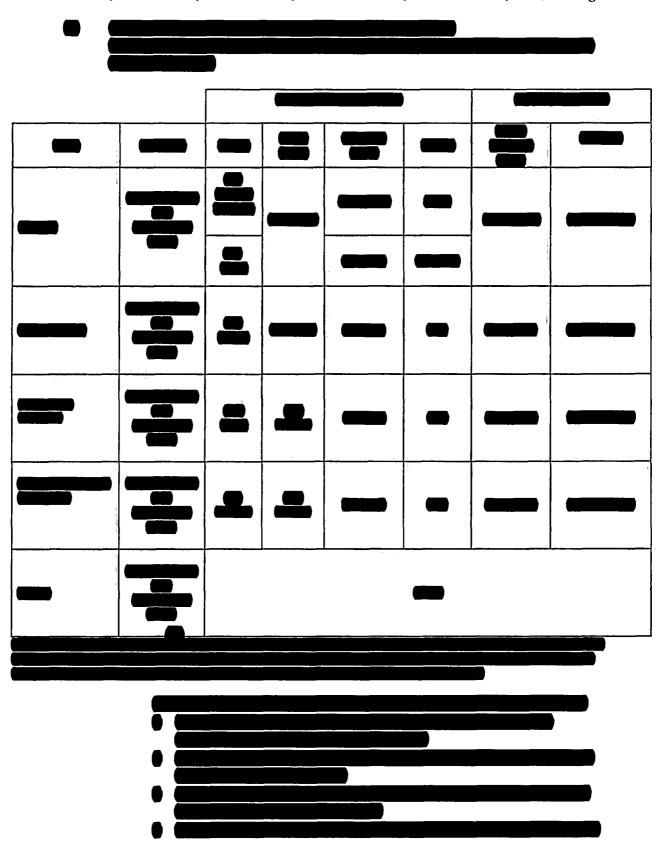
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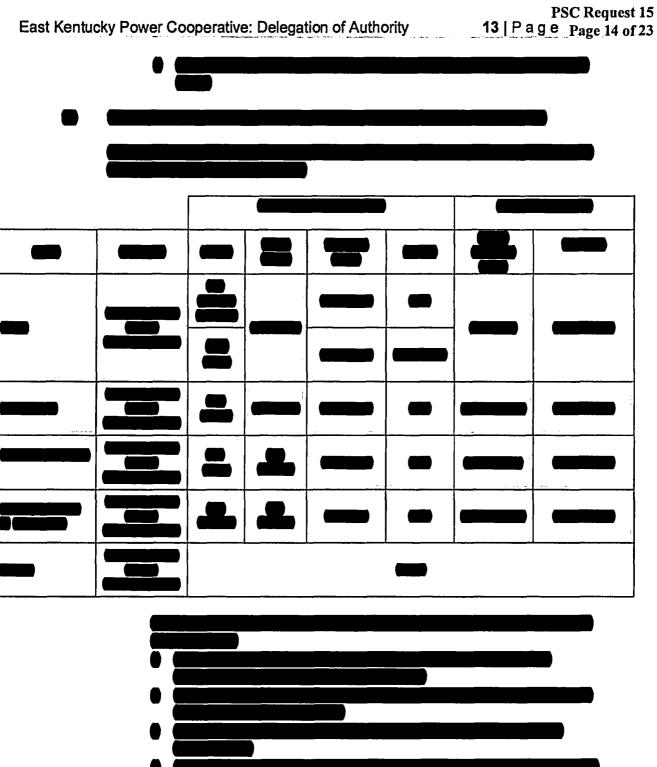


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PSC Request 15 11 | Page Page 12 of 23 East Kentucky Power Cooperative: Delegation of Authority

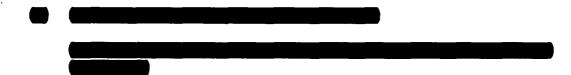
PSC Request 15
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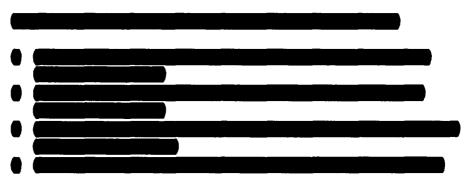


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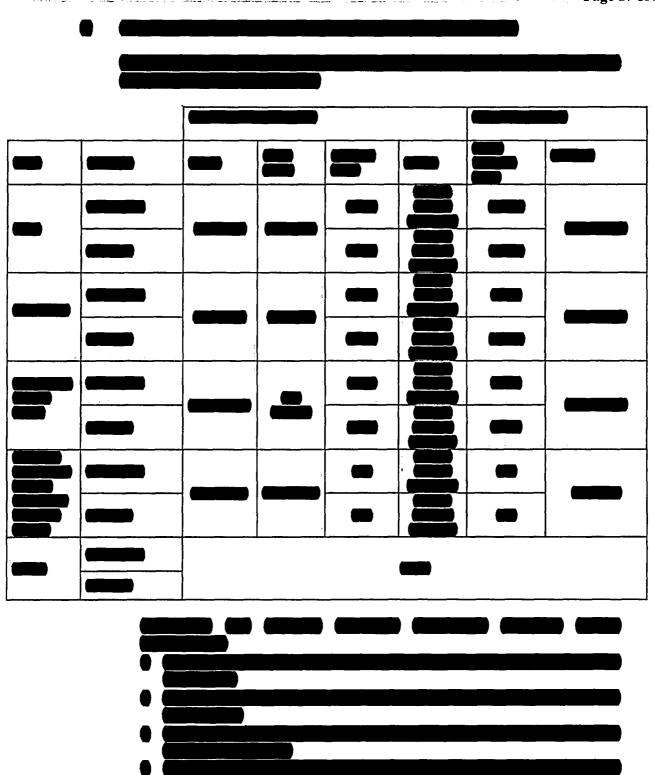


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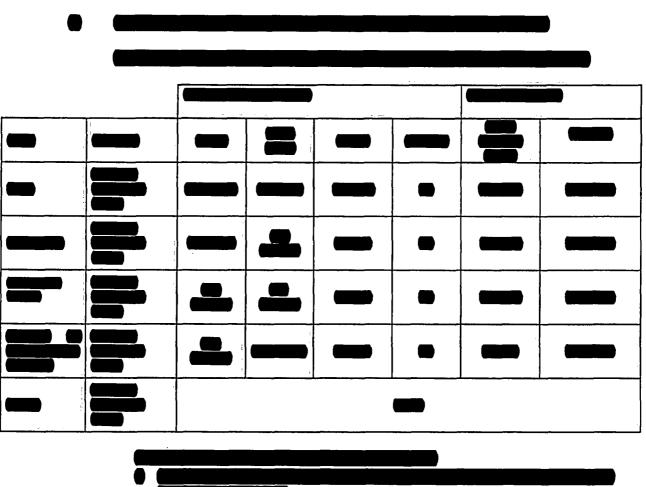


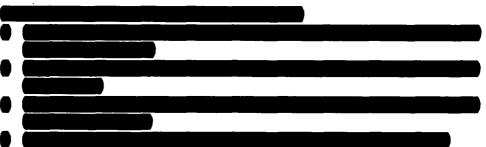
East Kentucky Power Cooperative: Delegation of Authority

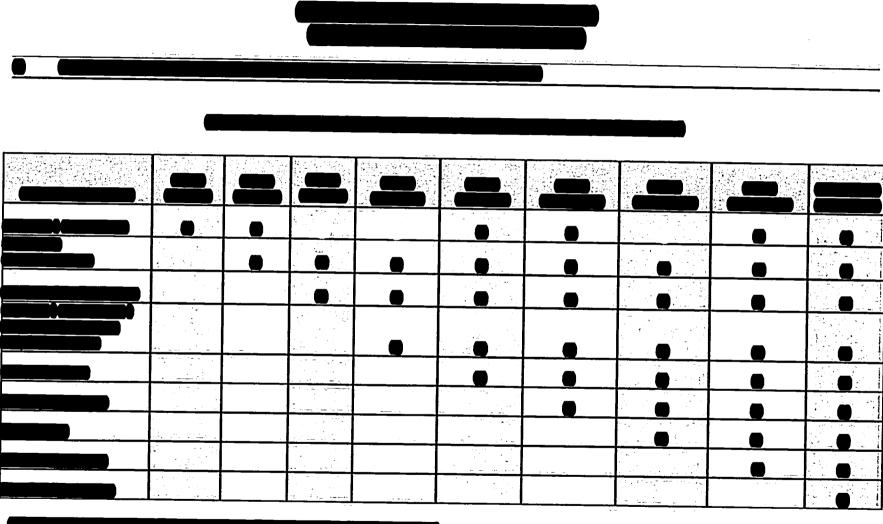
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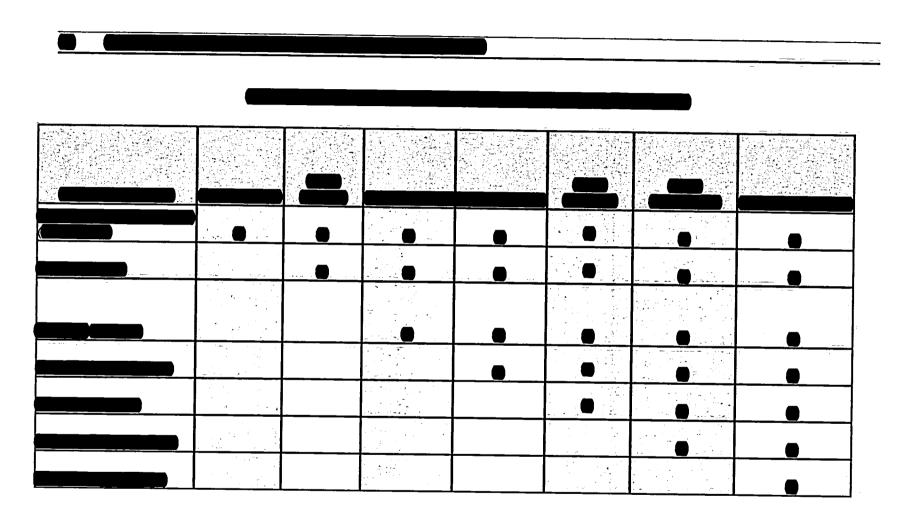
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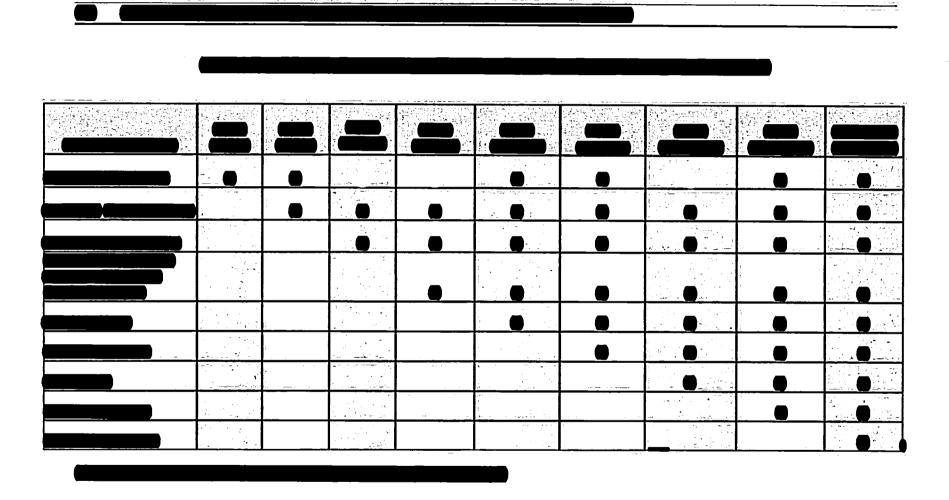






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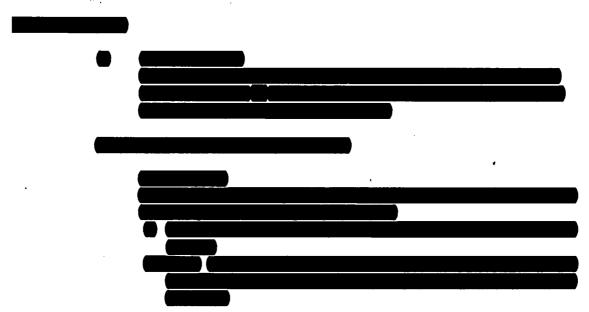




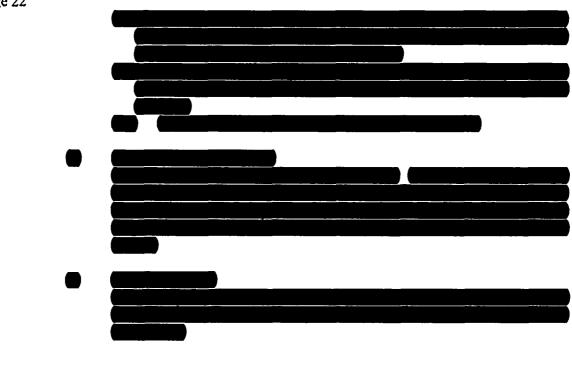
PSC Request 15 Page 22 of 23

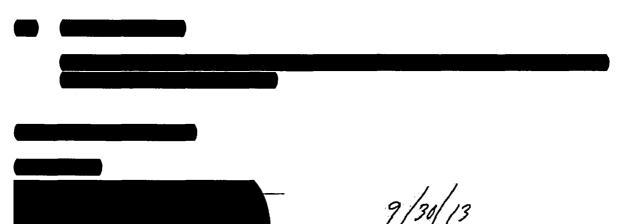
East Kentucky Power Cooperative: Delegation of Authority

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East Kentucky Power Cooperative Transaction Authority Delegation Page 22





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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

### COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 16

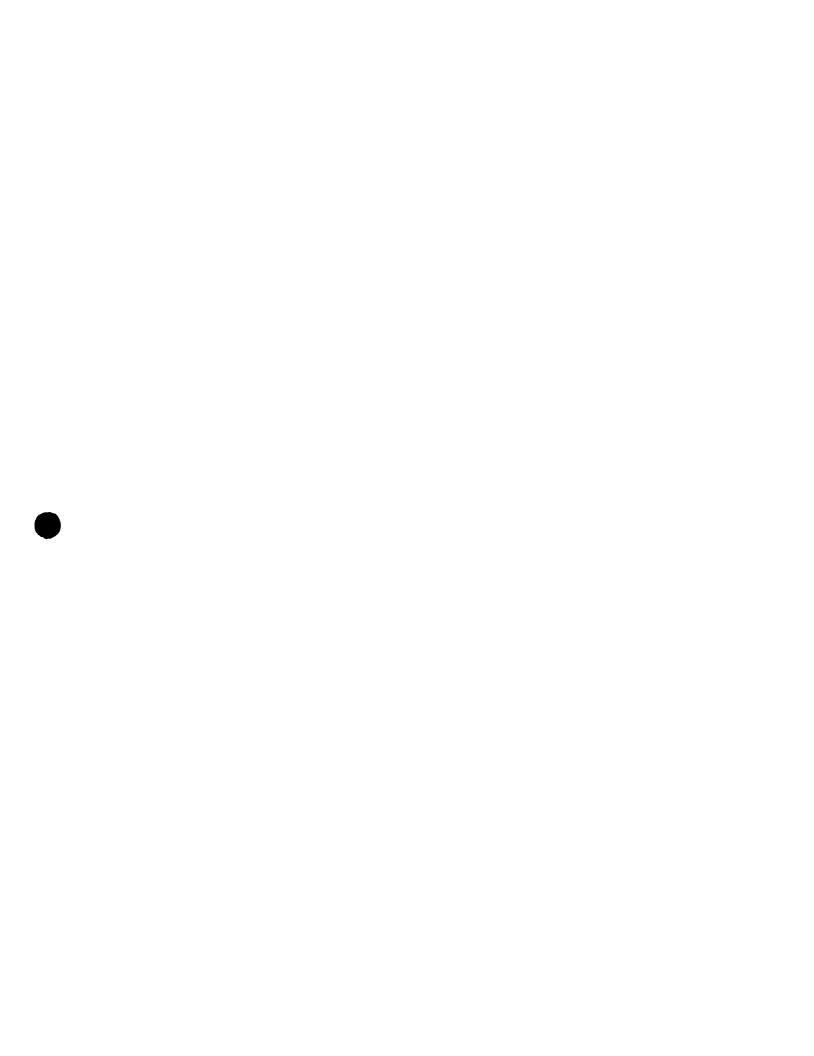
RESPONSIBLE PARTY: Mark Horn

Request 16.

a. State whether East Kentucky is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period from May 1, 2013 through October 31, 2013.

- b. If yes, for each violation:
  - (1) Describe the violation;
- (2) Describe the action(s) that East Kentucky took upon discovering the violation; and
  - (3) Identify the person(s) who committed the violation.

<u>Request 16a-b.</u> No, East Kentucky is not aware of any violations of its policies and procedures regarding fuel procurement.



# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

### COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 17

**RESPONSIBLE PARTY:** Mark Horn

Request 17. Identify and explain the reasons for all changes in the organizational structure and personnel of the departments or divisions that are responsible for East Kentucky's fuel procurement activities that occurred during the period from May 1, 2013 through October 31, 2013.

Response 17. East Kentucky did not make any changes to its organizational structure relating to fuel procurement or personnel responsible for fuel procurement activities during the period from May 1, 2013, through October 31, 2013.

Ernie Huff was Manager, Fuel and Emissions for East Kentucky during the period May 1, 2013, through October 31, 2013. Ernie Huff retired January 31, 2014, and Mark Horn, Fuel Buyer for East Kentucky, was promoted to Manager, Fuel and Emissions effective February 1, 2014.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 18

RESPONSIBLE PARTY: Craig A. Johnson

Request 18a. Identify all changes that East Kentucky has made during the period under review to its maintenance and operation practices that also affect fuel usage at East Kentucky's generation facilities.

Response 18a. There were no changes that East Kentucky has made to its maintenance and operation practices, which affect fuel usage at any of its generation facilities during the period under review.

Request 18b. Describe the impact of these changes on East Kentucky's fuel usage.

Response 18b. This is not applicable. Please see the response to Request 18a.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 19

**RESPONSIBLE PARTY:** Mark Horn

Request 19. List each written coal supply solicitation issued during the period from May 1, 2013 through October 31, 2013.

a. For each solicitation, provide the date of the solicitation, the type of solicitation (contract or spot), the quantities solicited, a general description of the quality of coal solicited, the time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.

b. For each solicitation, state the number of vendors to whom the solicitation was sent, the number of vendors who responded, and the selected vendor. Provide the bid tabulation sheet or corresponding document that ranked the proposals. (This document should identify all vendors who made offers.) State the reasons for each selection. For each lowest–cost bid not selected, explain why the bid was not selected.

**Response 19a-b.** Please see pages 2 through 7 of this response.

Confidential protection of the bid tabulation sheets or corresponding documents that ranked the proposals has been requested in the form of a motion for confidential treatment.

### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

#### **RESPONSE TO PSC ORDER DATED 02/07/14**

			Quantity			Number of	Number of	Tabulation
Unit	Date	Contract/Spot	(Tons)	Quality	Time Period	Vendors Sent	Vendors Respond	Sheet
Spurlock 1&2	04/15/13	Contract	1,080,000	7# SO <sub>2</sub> /MMBtu <16% Ash >11,000 Btu	01/01/14—12/31/16	79	14	Pages 3-5
Cooper	05/01/13	Spot	200,000	6.0# SO <sub>2</sub> /MMBtu <12% Ash >11,500 Btu	05/01/13—10/31/13	76	12	Pages 6-7
Cooper	06/10/13	Contract	480,000	6.0# SO <sub>2</sub> /MMBtu <12% Ash >11,500 Btu	01/01/14—12/31/15	80	7	No Coal Purchased
Gilbert & Spurlock 4	09/04/13	Contract	240,000	10# SO <sub>2</sub> /MMBtu <30% Ash >9,000 Btu	04/01/14—03/31/15	82	14	No Coal Purchased

# FUEL EVALUATION FOR SPURLOCK POWER STATION

### AMERICAN SCRUBBER REOPENER

Date: 11/21/2013 Event Nbr: 223 Bid End Date: 05/10/2013

	,	Quality Bt % Sulfur			<u>Deliver</u> \$	v Cost \$	Evaluated Cost \$ \$	
Coal Supplier	Number	% Ash	Tons	Term	Ton	MMBtu	Ton MMBtu	Reason for Recommendation
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# FUEL EVALUATION FOR SPURLOCK POWER STATION

### AMERICAN SCRUBBER REOPENER

Date: 11/21/2013 Event Nbr: 223 Bid End Date: 05/10/2013

	% 5	ality Btu Sulfur	Б	s	ery Cost \$	Evaluated Cost S S	
Coal Supplier	Number %	Ash Tons	Term	Ton	MMBtu	Ton MMBtu	Reason for Recommendation

EKPC Fuel Evaluation System

### FUEL EVALUATION FOR SPURLOCK POWER STATION

# AMERICAN SCRUBBER REOPENER

Date: 11/21/2013 Event Nbr: 223 Bid End Date: 05/10/2013

Coal Supplier	Quality Bt % Sulfur % Ash	Term	<u>Delive</u> \$ Ton	ery Cost \$ MMBtu	Evaluated Cost \$ \$ Ton MMBtu	Reason for Recommendation
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#### FUEL EVALUATION FOR COOPER SCRUBBER

#### SPOT FOR MAY—DEC. 2013

Date: 5/22/2013
Event Nbr: 222
Bid End Date: 05/15/2013

		iality Btu 6 Sulfur			<u>Delive</u> S	ery Cost	Evaluat S	ted Cost S	
Coal Supplier	Number		Tons	Term	Ton	S MMBtu	Ton	MMBtu	Reason for Recommendation
				•					
				•					
						i			
				•					
				•					
		13							

# FUEL EVALUATION FOR COOPER SCRUBBER

#### SPOT FOR MAY—DEC. 2013

Date: 5/22/2013 Event Nbr: 222 Bid End Date: 05/15/2013

		)uality Btu				ry Cost		ted Cost	
Coal Supplier	Number	% Sulfur % Ash	Tons	Term	S Ton	S MMBtu	S Ton	S MMBtu	Reason for Recommendation
		3		•					
		78		•					
		3		•					
		3							
		3		•					
		3							
		3							
	ı								

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 20

**RESPONSIBLE PARTY:** 

Mark Horn

Request 20. List each oral coal supply solicitation issued during the period from May 1, 2013 through October 31, 2013.

a. For each solicitation, state why the solicitation was not written, the date(s) of the solicitation, the quantities solicited, a general description of the quality of coal solicited, the time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.

b. For each solicitation, identify all vendors solicited and the vendor selected. Provide the tabulation sheet or other document that ranks the proposals. (This document should identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

**Response 20a-b.** Please see pages 2 through 4 of this response.

Confidential protection of the bid tabulation sheets or corresponding documents that ranked the proposals has been requested in the form of a motion for confidential treatment.

#### PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00445

#### RESPONSE TO PSC ORDER DATED 02/07/14

		_	Quantity			Number of	Tabulation
Unit	<u>Date</u>	Reason_	(Tons)	Quality	Time Period	Vendors Contacted	Sheet
Dale	05/01/13	Immediate Response Required	10,000	1.8# SO <sub>2</sub> /MMBtu <12% Ash >11,500 Btu	05/02/13—05/31/13	6	Page 3
Dale	06/28/13	Immediate Response Required	23,000	1.8# SO <sub>2</sub> /MMBtu <12% Ash >11,500 Btu	07/01/13—08/31/13	6	Page 4

### **FUEL EVALUATION FOR DALE POWER STATION**

### **MAY 2013**

Date: 5/1/2013
Event Nbr: 221
Bid End Date: 04/30/2013

		Quality Btu				ery Cost		ted Cost	
Coal Supplier	Number	% Sulfur % Ash	Tons	Term	S Ton	\$ MMBtu	S Ton	\$ MMBtu	Reason for Recommendation
Som Supplied			70.13		1011	MMDta	100	MIMBlu	Reason for Recommendation
<b>EL.</b> 2.		7							
				•					
		1		•					
		19		•					

# FUEL EVALUATION FOR DALE POWER STATION

**JULY—AUG. 2013** 

Date: 6/28/2013
Event Nbr: 224
Bid End Date: 06/27/2013

		Quality Btu				ery Cost		ted Cost	-
Coal Supplier	Number	% Sulfur % Ash	Tons	Term	S Ton	S MMBtu	S Ton	S MMBtu	Reason for Recommendation
		1		•					
		101		•					
				•					
		7							
			:						

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 21

RESPONSIBLE PARTY: Julia J. Tucker

Request 21. a. List all intersystem sales during the period under review in which East Kentucky used a third party's transmission system.

- b. For each sale listed above:
- (1) Describe how East Kentucky addressed, for FAC reporting purposes, the cost of fuel expended to cover any line losses incurred to transmit its power across the third party's transmission system; and
- (2) State the line loss factor used for each transaction and describe how that line loss factor was determined.

#### Response 21. a. None

- b. (1) Not applicable.
  - (2) Not applicable.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 22

**RESPONSIBLE PARTY:** Julia J. Tucker

Request 22. Describe each change that East Kentucky made to its methodology for calculating intersystem sales line losses during the period under review.

Response 22. East Kentucky has made no changes to its methodology for calculating intersystem sales line losses during the period under review.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 23

**RESPONSIBLE PARTY:** Mark Horn

Request 23. State whether, during the period under review, East Kentucky has solicited bids for coal with the restriction that it was not mined through strip mining or mountain top removal. If yes, explain the reasons for the restriction on the solicitation, the quantity in tons and price per ton of the coal purchased as a result of this solicitation, and the difference between the price of this coal and the price it could have obtained for the coal if the solicitation had not been restricted.

Response 23. East Kentucky did not solicit bids for coal with the restriction that is was not mined through strip mining or mountain top removal.

# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 24

RESPONSIBLE PARTY: Craig A. Johnson

Request 24. Provide a detailed discussion of any specific generation efficiency improvements East Kentucky has undertaken during the period under review.

Response 24. EKPC did not make any specific generation efficiency improvements during the period from May 1, 2013 to October 31, 2013.

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# PSC CASE NO. 2013-00445 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 02/07/14 REQUEST 25

RESPONSIBLE PARTY: Mark Horn

Request 25. State whether East Kentucky burns high-sulfur coal at Cooper Unit 2. If the response is no, given that a scrubber became operational in 2012, explain why the lower-cost, high-sulfur coal is not burned at the unit.

East Kentucky currently is burning Central Appalachian bituminous coal in Cooper Unit 1, which is not a high-sulfur coal. Because of the installation of the Air Quality Control System ("AQCS") on Cooper Unit 2, East Kentucky does have the option of burning high-sulfur coal. However, the decision on the type of coal to burn at the Cooper station cannot be based solely on the difference in the price of the coal. There are several factors that need to be considered besides just the cost of the coal. The coal supplies at the Cooper station are delivered by truck, and the cost associated with this transportation has generally offset any cost advantages gained from the lower cost of the higher sulfur coal. In addition, any change in the type of coal burned would have to take into consideration changes required in the quantity of lime used in the AQCS. East Kentucky continues to explore and evaluate coal supply options to secure the most cost-effective alternative. At this time, however, East Kentucky does not have any plans to change the type of coal burned at the Cooper station.